

20000502.qrp v01\_n809.qrl.20000502

Date: Tue, 2 May 2000 19:03:10 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1809

QRP-L Digest 1809

Topics covered in this issue include:

- 1) [69178] SMK-1 New Sound  
by "Mike Branca" <w3irz@att.net>
- 2) [69179] QRPTTF: N0UR's photos  
by N0UR1@aol.com
- 3) [69180] Re: qrpttf-almost  
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 4) [69181] RE: FS K2  
by W8IRQ@aol.com
- 5) [69182] Re: SMK-1 NJQRP case where are they?  
by "George Heron N2APB" <n2apb@erols.com>
- 6) [69183] Re: SMK-1 New Sound  
by n5ib@juno.com
- 7) [69184] FS: Poquet Palmtop PC for Portable Logging  
by "John Lockhart" <jlockj@minn.net>
- 8) [69185] Contest: QRPTTF Results - K7RE  
by Brian Kassel <bkassel@dancris.com>
- 9) [69186] Re: SMK-1 New Sound  
by "Scott Hotchkiss" <w4pj@bellsouth.net>
- 10) [69187] QRPTTF - KI6DS/AK1P/K1MG/AD6A Report - With PHOTOS!!  
by Dave Fifield <fifield@pacbell.net>
- 11) [69188] QRPTTF / USS Becuna SS-319  
by "David Hurley,n2zhy" <n2zhy@amsat.org>
- 12) [69189] QSL.net back up  
by "Ed Tanton" <n4xy@att.net>
- 13) [69190] Battery Power  
by Paul Womble <pwomble1@tampabay.rr.com>
- 14) [69191] Re: [azqrp] Re: [Elecrafft] QRPTTF: W7TAO  
by Bruce Grubbs N7CEE <n7cee@earthlink.net>
- 15) [69192] Inside Info: Dayton Tee Shirts for FDIIM  
by "Tom Dooley" <tdooley@atl.mediaone.net>
- 16) [69193] The Emtech tuner  
by RangerSF5@aol.com
- 17) [69194] SMK-1: a couple of questions  
by Richard Voss <rbvoss@gsinet.net>
- 18) [69195] Test Equipment help  
by Marty <N5NW@midssouth.rr.com>
- 19) [69196] Re: QRPTTF - KI6DS/AK1P/K1MG/AD6A Report - With PHOTOS!!

- by Russ Dow <n7dw@garlic.com>
- 20) [69197] SMK-1 & BC stations  
by "Mike Branca" <w3irz@att.net>
- 21) [69198] MIC for QRP plus  
by "Robert Farnworth" <farnworth@citylinq.com>
- 22) [69199] OT: magazine info  
by David Heintzleman <pstrdave@kdsi.net>
- 23) [69200] Re: SMK-1: a couple of questions  
by "Mike Branca" <w3irz@att.net>
- 24) [69201] Re: OT: magazine info  
by Al Patrick <arp@inet4u.com>
- 25) [69202] QRPTTF - AA5TB  
by Steve Yates <aa5tb@yahoo.com>
- 26) [69203] AL7FS - Spartan Sprint - 5/2/2000 UTC  
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 27) [69204] Any news on K7Q0??  
by "John Moriarity" <k6qq@hdo.net>
- 28) [69205] Re: Battery Power  
by Bob Patten <n4bp@bc.seflin.org>
- 29) [69206] Re: Ungar 9900 tips?  
by "Leon Heller" <leon\_heller@hotmail.com>
- 30) [69207] Gell Cells  
by John Paul Dooley <w6zip@gte.net>
- 31) [69208] How's 40 meters lately?  
by joe lerch <jl@early.com>
- 32) [69209] Re: SMK-1: a couple of questions  
by "Michael Bower - N4NMR" <bowerm@ix.netcom.com>
- 33) [69210] Test (Don't read)  
by "Tom Erwin" <terwin3@bellsouth.net>
- 34) [69211] Re: Battery Power  
by Wb8siw@aol.com
- 35) [69212] Re: How's 40 meters lately?  
by "Victor Blackwell" <victor@brecnet.com>
- 36) [69213] Re: MIC for QRP plus  
by Wb8siw@aol.com
- 37) [69214] Re: SMK-1: a couple of questions  
by Richard Voss <rbvoss@gsinet.net>
- 38) [69215] Memory for sale  
by chartwell@att.net
- 39) [69216] More on insulated wire  
by "John Nally" <nally@talstar.com>
- 40) [69217] IC-728 results  
by Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
- 41) [69218] Pixie kit source?  
by <ae5x@juno.com>
- 42) [69219] SMK-1 up and running  
by "Tom Erwin" <terwin3@bellsouth.net>
- 43) [69220] Re: SMK-1 Problem Report

by "Barry L. Geipel - AD6HR" <bgeipel@primenet.com>  
44) [69221] .020 dia silver solder  
by "Lynne or Larry Manuel" <lmanuel@bellatlantic.net>  
45) [69222] Re: SMK-1 Problem Report  
by SABorns@aol.com  
46) [69223] FS / FT Surface Mt. Components  
by Alvin J Bernard <ni4q@juno.com>  
47) [69224] Re: Battery Power  
by Dick Carroll <dixie@townsqsr.com>  
48) [69225] Re: OT: magazine info  
by af852@rgfn.epcc.edu (William R Colbert)  
49) [69226] CQ Magazine E-mail info  
by n4so@juno.com  
50) [69227] SMK-1  
by Bob Hightower <nk7m@extremezone.com>  
51) [69228] May 1 ARS Sprint report  
by "Rod, N0RC" <n0rc@qsl.net>  
52) [69229] Re: More on insulated wire  
by hamjoel@juno.com  
53) [69230] Re: More on insulated wire  
by "Doug Person" <w4dxv@attglobal.net>  
54) [69231] Re: More on insulated wire  
by Paul Erickson <paule@sfu.ca>  
55) [69232] QRP TTF for W5TB -- THEY STOLE MY ANTENNA!  
by "W5TB - 'Doc' Drake" <w5tb@softhome.net>  
56) [69233] Re: More on insulated wire  
by "Mike Yetsko" <myetsko@insydesw.com>  
57) [69234] RE: More on insulated wire  
by "Art Marshall" <artm@t-com.com>  
58) [69235] Re: More on insulated wire  
by "Doug Person" <w4dxv@attglobal.net>  
59) [69236] Re: More on insulated wire  
by Richard Matthews <prm@hiwaay.net>  
60) [69237] Re: More on insulated wire  
by Monte Stark <ku7y@dri.edu>  
61) [69238] Re: More on insulated wire  
by hamjoel@juno.com  
62) [69239] Time to make Ft Tuthill Reservations  
by "Rod, N0RC" <n0rc@qsl.net>  
63) [69240] RE: More on insulated wire  
by carlos.caro@lmco.com  
64) [69241] RE: More on insulated wire  
by Monte Stark <ku7y@dri.edu>  
65) [69242] RE: SMK-1  
by "Everhart, Joseph @ CSE" <jeverhar@mail.cse.1-3com.com>  
66) [69243] SMK-1  
by dave.g0dja@psilink.co.uk (David J. Ackrill)  
67) [69244] HB: RS Soldering Station on Sale

by Kenneth Hoglund <hoglund@wfu.edu>  
68) [69245] RE: More on insulated wire  
by Bob Patten <n4bp@bc.seflin.org>  
69) [69246] Re: How's 40 meters lately?  
by "Mike Branca" <w3irz@att.net>  
70) [69247] Re: More on insulated wire  
by "Doug Person" <w4dxv@attglobal.net>  
71) [69248] building qrp stuff  
by Bruce Rattray <rattray@gpfn.sk.ca>  
72) [69249] Re: building qrp stuff  
by igeq100@iupui.edu  
73) [69250] RE: more on insulated wire  
by Paul Erickson <paule@sfu.ca>  
74) [69251] K2, any in Stockholm, Sweden?  
by Goran Hosinsky <hosinsky@royac.iac.es>  
75) [69252] RE: building qrp stuff  
by Dave Barrett <DBarrett@creo.com>  
76) [69253] RE: CQ Magazine E-mail info  
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>  
77) [69254] Re: RS Soldering Station on Sale  
by "Rod, N0RC" <n0rc@qsl.net>  
78) [69255] OT: Windows 98 Shut-down problem  
by wb2vuo@juno.com  
79) [69256] Transmitter Impedance // Final  
by "David Hurley,n2zhy" <n2zhy@amsat.org>  
80) [69257] Re: MIC for QRP plus  
by DYARNES@aol.com  
81) [69258] Re: building qrp stuff  
by "Lau, Zack, W1VT" <zlau@arrl.org>  
82) [69259] Re: More on insulated wire  
by tailfeathers@juno.com  
83) [69260] Re: QRPTTF - KI6DS/AK1P/K1MG/AD6A Report - With PHOTOS!!  
by DYARNES@aol.com  
84) [69261] Re: Windows 98 Shut-down problem  
by "Doug Person" <w4dxv@attglobal.net>  
85) [69262] RE: More on insulated wire  
by carlos.caro@lmco.com  
86) [69263] RE: More on insulated wire  
by carlos.caro@lmco.com  
87) [69264] RE: Windows 98 Shut-down problem  
by "Goveia, William P" <wgoveia@indiana.edu>  
88) [69265] Question on lost M0 and person has the gear  
by RangerSF5@aol.com  
89) [69266] Tech America soldering station on sale for \$50  
by "David Ek" <ekdave@earthlink.net>  
90) [69267] Re: QRPTTF - KI6DS/AK1P/K1MG/AD6A Report - With PHOTOS!!  
by Dave Fifield <fifield@pacbell.net>  
91) [69268] Re: SMK-1

- by Dave Fifield <fifield@pacbell.net>
- 92) [69269] Re: SMK-1 Problem Report  
by Dave Fifield <fifield@pacbell.net>
- 93) [69270] Re: building qrp stuff  
by "John Moriarity" <k6qq@hdo.net>
- 94) [69271] QRPTTF: K2QO Score  
by "Mark Adams" <k2qo@hotmail.com>
- 95) [69272] SMK-1  
by Ab5xq@aol.com
- 96) [69273] [OT] GPS more sensitive now?  
by "Dave Benham" <dodgeboy@mindspring.com>
- 97) [69274] Weller WTCPT on sale...  
by Radman <radman@best.com>
- 98) [69275] Re: [OT] GPS more sensitive now?  
by "Mike Yetsko" <myetsko@insydesw.com>
- 99) [69276] Re: [OT] GPS more sensitive now?  
by Bill Jones <kd7s@psnw.com>
- 100) [69277] RE: [OT] GPS more sensitive now?  
by Radman <radman@best.com>
- 101) [69278] GPS more gooder  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 102) [69279] QRPTTF Report and Photos  
by Michael C Boatright <ko4wx@mindspring.com>
- 103) [69280] Elecraft at Dayton Booth #196  
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 104) [69281] Re: QRPTTF - KI6DS/AK1P/K1MG/AD6A Report - With PHOTOS!!  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 105) [69282] SMK-1 T/R problem  
by SABorns@aol.com
- 106) [69283] Re: GPS more gooder  
by Brian Mileschosky <n5zgt@swcp.com>
- 107) [69284] AT Alert - MD Saturday May 8  
by wd3p@juno.com
- 108) [69285] Re: Battery Power  
by "John Nally" <nally@talstar.com>
- 109) [69286] Re: More on insulated wire  
by Rick McKee <kc8aon@juno.com>

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Date: Mon, 1 May 2000 18:05:11 -0500  
From: "Mike Branca" <w3irz@att.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [69178] SMK-1 New Sound  
Message-ID: <010b01bfb3c1\$c4686820\$70004d0c@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Boy the NORCAL group has created the new sound on 40 with the SMK-1. I have not heard that many swishing VFO's since the '50s and '60s. One can easily tell how many are using the SMT-1 on the band after a few minutes listening. Of course I am (SMT-1 #86) responsible for part of it myself.

Mike Branca in Conyers, GA W3IRZ

-----  
Date: Mon, 1 May 2000 19:40:48 EDT  
From: N0UR1@aol.com  
To: qrp-l@lehigh.edu  
Cc: n0ur@yahoo.com  
Subject: [69179] QRPTTF: N0UR's photos  
Message-ID: <38.555725e.263f7000@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

<A HREF="http://members.theglobe.com/N0UR/default.html">Click here: N0UR  
QRPTTF</A>

My 15 year old daughter set up a web page for me. Please stop by and see where I was, and my station.

72's  
Jim N0UR

-----  
Date: Mon, 01 May 2000 19:27:31 -0400  
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>  
To: Wayne <walexan@ipa.net>, qrp-l@lehigh.edu  
Subject: [69180] Re: qrpttf-almost  
Message-ID: <390E12E1.11A217DB@quartz.gly.fsu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Wayne wrote:

> Did you work N0EA on 20m? If so I know the Operator.  
> We were using my call in the contest. Sorry if he Offended you.

> Hope you had fun.  
>

Wayne

Yup..it was on 20. You had a nice signal.  
No offense taken...I should have figured out the proper contest exchange  
before I started trying to give qso's. I hope that I did not get the op all  
hot and bothered.

Henry

-----  
Date: Mon, 1 May 2000 19:48:49 EDT  
From: W8IRQ@aol.com  
To: qrp-l@lehigh.edu  
Subject: [69181] RE: FS K2  
Message-ID: <cc.3f8d9a4.263f71e1@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

It has been spoken for. Nick W8IRQ

-----  
Date: Mon, 1 May 2000 20:01:02 -0400  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "QRP-L" <qrp-l@lehigh.edu>, <crrandal@seidata.com>  
Subject: [69182] Re: SMK-1 NJQRP case where are they?  
Message-ID: <009401bfb3c9\$83e6c280\$7c59accf@ire.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

SMK-1 Enclosures are starting to ship later this week. The NJQRP website  
for the Enclosure has the latest information: <http://www.njqrp.org/smk-1>

72, George N2APB

> I was wondering when the enclosure kits would ship. Anyone heard?

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Date: Mon, 01 May 2000 20:15:51 EDT  
From: n5ib@juno.com  
To: qrp-L@Lehigh.edu  
Subject: [69183] Re: SMK-1 New Sound  
Message-ID: <20000501.191333.8199.0.N5IB@juno.com>

It's about an hour before the Spartan Sprint. How about you folks who are trying to sweep the Skinny Division with your SMK-1's signing "/sm" so the rest of us will know when we work you. I'll be looking for all the whispering cacophony around 7039.

72 & cu in the SS  
Jim N5IB

On Mon, 1 May 2000 18:05:11 -0500 "Mike Branca" <w3irz@att.net> writes:  
>Boy the NORCAL group has created the new sound on 40 with the SMK-1.

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Tue, 2 May 2000 00:26:30 -0000  
From: "John Lockhart" <jlockj@minn.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [69184] FS: Poquet Palmtop PC for Portable Logging  
Message-ID: <02e001bfb3cd\$15f04a40\$4489b1d8@jlockj.minn.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I bought two of the Poquet PQ0181 "Palm Top" PCs mentioned on the reflector this past January. I think they're great, however my son doesn't seem to have much interest in DOS applications, so one's available if anyone would like it. It comes with with batteries, leather case, two 1 MB SRAM cards, RS-232 interface and modem for \$29 shipped to U.S.

73,

John W0DC

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Date: Mon, 01 May 2000 17:37:27 -0700  
From: Brian Kassel <bkassel@dancris.com>  
To: QRP-L <QRP-L@lehigh.edu>  
Subject: [69185] Contest: QRPTTF Results - K7RE  
Message-ID: <390E2347.C6A7C180@dancris.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Folks:

This year a few AZ ScQRPions went out to Lake Pleasant AZ. Participants were Roger Hightower N7KT, Bob Hightower NK7M, and Bertie Hightower N7XJW. We all ran K-2's with bandpass filters from I.C.E. to prevent overload and desense, as we were all within a few hundred feet of one another. Bob and Roger used the DK9SQ masts and triangle type antennas, I used a 33' vertical wire suspended from a DK9SQ mast. We worked out a shift schedule, so no 2 stations would be on the same band at the same time.

I was on 10M for the first 2 hours. Conditions were, well abysmal with 13 QSO's in 2 hours. I decided to take an hour break, walk over to the other sites and have a few cups of Bertie's famous camp coffee.

I then started in again and worked what remaining of the 6 hour limit. Here are my results:

Exchanged Information: K7RE AZ WT

Hours of Operation:\_\_\_6\_\_\_\_\_ Hours.

Band	QSOs	Points	SPC's
160	0	0	0
80	0	0	0
40	0	0	0
20	53	645	19
15	14	155	11
10	13	140	10
Totals	80	940	40

My Station Category = WT for a multiplier of: 3  
Total Score: 112,800 Points

Propagation remained pretty lousy for us, but improved toward the end of the event. The K-2's all performed flawlessly, and absolutely NO

problems with local interference were detected whatsoever. Quite a tribute to the great receiver design of the K-2.

High points were Jim AL7FS, AL0HA (took us a while but we pulled it out), and Doug KI7DS. Of course the usual QRP contest crowd was there as well, sounding FB.

Although Roger left around 2 PM on Saturday, the remaining Hightowers and myself remained until Sunday morning. The wind was fairly high the whole time, but REALLY picked up on Sunday. The WX was warm, but tolerable.

We all decided that we wished we had more of these events. Even with BUBBA, FYBO, QRP afield, and QRPTTF, we wished that we had more "excuses" to get out with the QRP gang and bounce our tiny signals off of the atmosphere.

Thanks to Jan, Paul and all of the participants.

Man, am I ready for the next one! ;)

Brian K7RE  
Az ScQRPions

-----  
Date: Mon, 1 May 2000 20:53:33 -0400  
From: "Scott Hotchkiss" <w4pj@bellsouth.net>  
To: <n5ib@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [69186] Re: SMK-1 New Sound  
Message-ID: <000c01bfb3d0\$d7c45140\$9ed04dd8@w4pj>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Are you in Sweden?  
Scott R. Hotchkiss  
Fort Lauderdale, Florida  
----- Original Message -----  
<snip>  
signing "/sm"

-----  
Date: Tue, 02 May 2000 17:54:16 -0700  
From: Dave Fifield <fifield@pacbell.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [69187] QRPTTF - KI6DS/AK1P/K1MG/AD6A Report - With PHOTOS!!  
Message-ID: <005601bfb49a\$1b6aa380\$0100a8c0@pacbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

I wrote up a report from my perspective for you to enjoy.  
Includes a photo of Doug with bikini girl, as promised!  
Check it out at:

<http://www.cooltechstuff.com/QRPTTF00.html>

Enjoy!  
72, Dave Fifield, AD6A

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Date: Tue, 02 May 2000 01:46:07 +0100  
From: "David Hurley,n2zhy" <n2zhy@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [69188] QRPTTF / USS Becuna SS-319  
Message-ID: <390E254F.DCF6975F@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Surface! Surface! Surface!

Had a nice day at the submarine USS Becuna SS-319 operating both  
QRPTTF and Museums Ships on the Air out of Penn's Landing on the  
Philadelphia waterfront.

Didn't make a whole lot of contacts, maybe a couple of dozen, but had  
fun just being there. We were limited to the existing antennas on the  
sub, a ham vertical and the fold over submarine whip. Because the boat  
is so busy with tour traffic, I don't think that it will be possible to  
set any other antennas for future operations but we will investigate  
that issue. Rafted seaward of the Becuna is the USS Olympia, Admiral  
Deweys's flag ship from the 1898 Battle of Manila Bay. The Olympia is  
a metal ship and that didn't seem to help our propagation either.  
Thought about cutting the Olympia loose but was told the Admiral would  
not be amused. Here is a page for the Olympia:

<http://www.spanam.simplenet.com/olympia.htm>

Just two operators, Bob/kc2aio and me, n2zhy. We used Bob's call so  
he gets stuck with deciphering the logs and any qsl's. That should

make a lot of people happy as I have a rather dismal record when it comes to getting cards out the door.

We did contact the USS Ling SS-297(up in Hackensack,NJ) several times on 40 meters but that's the only ship we heard. I was surprised not to hear more and don't know if it was our antennas or the mode(cw). Made several contacts to Ontario(Ontario QSO Party) with no problem, Chicago(twice) and I think a few to Florida(Florida QSO Party).

Also we did hear a lot of QRPTTF traffic but the signals were not strong.

One of the highlights: Worked Delaware (Harry, wa2ptg) twice! Eat your hearts out WAS people!

Many of the stations on the sub are manned by mannequins so the tours were shocked to see real people in the radio room. When asked if we were real I just replied "Nope, just dummies but, we're the dummies in charge!" Lots of cw coming from the little Sony speakers kept the tours interested in our station. It was obvious from the enthusiasm that a lot of people had seen the new submarine movie U-571. Many asked questions and Bob was happy to elaborate. The rest of the guys giving tours and wandering through the boat all seem to know Bob from the SubVet clubs/associations. That made it a nice and friendly day.

We talked with the guy that seems to run the museum and he is happy to have warm bodies in the radio room. It sounds like we might be able to come down every few weeks, with advanced notice, so we expect to make several more trips.

A nice day trip for us, Penn's landing is only a hour away down RT295 and across the Delaware River, just across from the Camden Aquarium. Here is the site for the boat.

<http://www.geocities.com/Athens/Acropolis/7612/becuna.html>

Station was a Norcal 40a on 40 meters and a Digital Small Wonders on 20 meters both running about 2 watts. We used my new ZM2 tuner( a little weird but versatile/still getting use to that light thing) and the MFJ qrp tuner( most versatile around, just a little big).

Now washing the diesel/oil smell out of my clothes and reassembling the home station.

All secure.

Submarine Bob, kc2aio  
submarine dave,n2zhy

Princeton,NJ

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Date: Mon, 1 May 2000 21:48:33 -0400  
From: "Ed Tanton" <n4xy@att.net>  
To: "Jim Stafford W4Q0" <w4qo@amsat.org>, "QRP-L Reflector" <qrp-l@Lehigh.EDU>  
Subject: [69189] QSL.net back up  
Message-ID: <CKEGICNFDIMCEKEDCEHFOEMOCDAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

QSL.net webpages are back up.

73 Ed Tanton <n4xy@arrl.net> K2# 0057 (FT)

website: <http://www.qsl.net/n4xy/>

-----  
Date: Mon, 01 May 2000 22:08:56 -0400  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [69190] Battery Power  
Message-ID: <390E38B8.4FEB7CAF@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

What battery(s) is the best for the longer operating events (Field Day mainly)? Thinking of deep cycle marine batteries with enough juice to power the K2 @ 5 watts along with a laptop for logging.

What do you guys/gals use??

73  
Paul AJ4Y

--  
Polk County Amateur Radio Emergency Services:  
<http://www.qsl.net/polkares>  
Lakeland Amateur Radio Club:  
<http://www.qsl.net/k4lk1>  
Florida Contest Group:  
<http://www.qsl.net/fcg>

-----  
Date: Mon, 01 May 2000 18:45:52 -0700  
From: Bruce Grubbs N7CEE <n7ceeqr@earthlink.net>  
To: "Chris Gresswell" <chris@g0wfhqr.freemove.co.uk>, <qr-1@LeHigh.edu>  
Cc: <azqr@extremezone.com>, <elecraft@qth.net>  
Subject: [69191] Re: [azqr] Re: [Elecraft] QRPTTF: W7TAO  
Message-ID: <4.3.1.0.20000501184024.02466550@earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Chris,  
Thanks for the info on your DK9SQ setup. I sure like that mast! I'll be using it to do a demo for a Boy Scout expo here in town this weekend. I plan to run cw, ssb, and psk31.

After experimenting with different radials, I ended up with sixteen 2 meter radials made from #26 teflon wire. Being so short and made of slippery old teflon, they don't tangle easily. It's fed with twinlead and a 4:1 balun. AT QRPTTF, it tuned 40, 20, 15, and 10 to 1.1. I have a similar vertical on the roof at home, made from six 6 ft sections of nersting tubing, and the same radial setup. The K2 ATU easily tunes it on all bands 80-10 including warc.

The DK9SQ vertical doesn't outperform the 270 foot horizontal loop we use for Field Day, but it sets up a lot faster.

72  
Bruce N7CEE

-----  
Date: Mon, 1 May 2000 22:27:21 -0400  
From: "Tom Dooley" <tdooley@atl.mediaone.net>  
To: "Low Power Amateur Radio Discussion" <qr-1@Lehigh.EDU>  
Cc: "\_AAAA\_NOGA\_onlist \ (E-mail\)" <nogaqr@qth.net>  
Subject: [69192] Inside Info: Dayton Tee Shirts for FDI  
Message-ID: <0b5501bfb3dd\$f2603980\$0e265818@atl.mediaone.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Several of the North Georgia (NoGa QRP) guys are involved in preparations for Dayton and I have some inside info that you all (Southern expression)

may not know about. It's about the Special FDIM 2000 tee shirts. I have found out that this is a long sleeved, hunter green shirt with special white and gold printing on the front, back, and one sleeve. I can't say exactly what the printing is but it will be amazing when you see it - especially the back!

If you have not ordered yours, you might want to insure that you get one reserved. They are only \$15. See the Dayton web site for info on ordering: <http://www.qrparci.org/fdim64.html#tee>

I asked if I could post this as it is just too good to be missed.

Don't wait to order, as you won't be happy if you miss out on this shirt!

72 de K4TJD Tom

-----  
Date: Mon, 1 May 2000 22:27:24 EDT  
From: RangerSF5@aol.com  
To: qrp-1@lehigh.edu  
Subject: [69193] The Emtech tuner  
Message-ID: <78.4ac3bb1.263f970c@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Gang,  
Well I did get 9 people to respond to my request for info.(THANK YOU)  
Also I found that two of the ZM-2 owners say that the red led never goes out.  
Dim yes but never saw it out.  
I do take a bit of pride in winding the cores and was not happy with the link so I removed it.  
I wound it the backwards and twisted the 2 wires as the instructions say.  
The link is at the 12 O'clock position and that required me to run the twisted wires back over the BIG core to the connection points.  
I have 30 + KC of tuning range (on 40-M) now and tuning into a indoor random wire with a counter poise.  
I got into the mid West and worked 2 mobile stations in MI with 2.5 watts.  
How can the link work if it's buried between the other wires?  
The instructions didn't say how many twist so I made them nice and tight.  
It's working well so why bother changing the link?  
With the counter poise removed the red led will go dim but I was never able to get it out no matter how much I tuned.  
Bagged my first QSO with the NJ FIREBALL 40 in Camden ME.  
Not bad for 40 Mils.  
Received a 339 report with QSB.

Back to melting solder  
72/73  
Bob  
WA2HOQrp <tm>

-----  
Date: Mon, 01 May 2000 22:35:21 -0400  
From: Richard Voss <rbvoss@gsinet.net>  
To: qrp-l@Lehigh.EDU  
Subject: [69194] SMK-1: a couple of questions  
Message-ID: <390E3EE9.303506EF@gsinet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Almost finished my SMK-1; just have to fix one screw up. After dutifully soldering the components in the specified order, I discovered the trim caps in Bag #2 weren't to go in til later. Gotcha! I missed that when first reading the instructions. They later say to orient the trim caps exactly as shown on the silkscreen of the board. Of course, I can't see the silkscreen now. I'd rather not yank them out if I don't have to. Anyone know of a web page with a picture of the board? The one on Red Hot Radio's site appears to be an earlier version than the one they shipped.

Another question: I used .031 dia silver solder. It worked OK, but in some places .020 dai would have worked much better. Can anyone point me to a source for this stuff? I can't find it in any of the catalogs I've got.

This is an ideal first kit for learning SMT -- I'm glad I had the opportunity to build it before tackling other SM projects. Thanks to NorCal and the guys who cooked this one up.

Thanks,  
Richard, K1WX

-----  
Date: Mon, 01 May 2000 21:42:21 -0500  
From: Marty <N5NW@midsouth.rr.com>  
To: qrp-l@Lehigh.EDU  
Subject: [69195] Test Equipment help  
Message-ID: <m0gsgsgjct7qqptjt7b74kd3dj7q3cui21@4ax.com>  
MIME-Version: 1.0



Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

I have an opportunity to perhaps acquire a B&K O'scope, model no 2160.  
Anybody know of the potential pitfalls of this? Something evil lurking =  
in the  
dark? This is a 60 MHz dual-trace analog scope, but not the 2160A model.  
Also, estimate of used value would be helpful.

--

Marty, N5NW

-----=  
-----  
Lakeland (Memphis), Tennessee =  
<http://marty.w.tripod.com/>  
N5NW@midsouth.rr.com

-----  
Date: Mon, 01 May 2000 19:41:19 -0700  
From: Russ Dow <n7dw@garlic.com>  
To: fifield@pacbell.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [69196] Re: QRPTTF - KI6DS/AK1P/K1MG/AD6A Report - With PHOTOS!!  
Message-ID: <390E404F.51E2F9EC@garlic.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Dave,

Nice write-up and pix.

BTW, the date/timestamp on your posting indicates it was sent tomorrow.  
Is this a spin-off of the technology that was used to get SMK-1 kits to  
some of the recipients before they were shipped? Inquiring minds demand  
answers!

73,

Russ N7DW

Dave Fifield wrote:

>

> I wrote up a report from my perspective for you to enjoy.

> Includes a photo of Doug with bikini girl, as promised!

> Check it out at:  
>  
> <http://www.cooltechstuff.com/QRPTTF00.html>  
>  
> Enjoy!  
> 72, Dave Fifield, AD6A

-----  
Date: Mon, 1 May 2000 22:27:18 -0500  
From: "Mike Branca" <w3irz@att.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [69197] SMK-1 & BC stations  
Message-ID: <017101bfb3e6\$66711440\$70004d0c@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well I've made a few SMK-1 contacts with a couple at 1000 mi/watt but is it me only or are there others that hear BC stations on top of the CW when the gain control is up? This is with a Hi Q parallel tuned antenna tuner. I know that DC RX often have this problem but the removal of R1 just reduced the stage gain somewhat for both the BC and the CW. To make the comparison I simply removed R1 and then re soldered it back in at a 45 degree angle so that I could touch the two unsoldered connections with a small piece of wire for a quick in/out comparison. Yes R1 increases the gain but for CW & BC.

Mike W3IRZ Conyers, Georgia

-----  
Date: Mon, 1 May 2000 20:37:23 -0700  
From: "Robert Farnworth" <farnworth@citylinq.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [69198] MIC for QRP plus  
Message-ID: <000d01bfb3e7\$bb02bf80\$75c6adcf@farnworth>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I recently aquired a QRP plus and would appreciate hearing experience of others on mic's that have been used with the QRP plus.  
Bob, W7CD

-----  
Date: Tue, 02 May 2000 03:27:57 +0100  
From: David Heintzleman <pstrdave@kdsi.net>  
To: qrp-1@Lehigh.EDU  
Subject: [69199] OT: magazine info  
Message-ID: <390E3D2D.E888BFE7@kdsi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi, can someone pass along address/phone number for CQ magazine so I can order a back issue? Been awhile since I subscribed.  
thanks  
Dave K8BBM

-----  
Date: Mon, 1 May 2000 22:36:51 -0500  
From: "Mike Branca" <w3irz@att.net>  
To: <rbvoss@gsinet.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [69200] Re: SMK-1: a couple of questions  
Message-ID: <018b01bfb3e7\$a7d5fee0\$70004d0c@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Just look at page 6 of your instruction manual and you will find a great big picture of the un wired board. However it doesn't matter as the circuits tune sort of broad and you will have a little reaction with your tuning tool especially on TC-2.

Mike in Conyers

----- Original Message -----  
From: Richard Voss <rbvoss@gsinet.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Monday, May 01, 2000 9:35 PM  
Subject: SMK-1: a couple of questions

> Almost finished my SMK-1; just have to fix one screw up. After dutifully soldering  
> the components in the specified order, I discovered the trim caps in Bag #2 weren't  
> to go in til later. Gotcha! I missed that when first reading the

instructions.

> They later say to orient the trim caps exactly as shown on the silkscreen of the

> board. Of course, I can't see the silkscreen now. I'd rather not yank them out if

> I don't have to. Anyone know of a web page with a picture of the board? The one on

> Red Hot Radio's site appears to be an earlier version than the one they shipped.

>

> Another question: I used .031 dia silver solder. It worked OK, but in some places

> .020 dai would have worked much better. Can anyone point me to a source for this

> stuff? I can't find it in any of the catalogs I've got.

>

> This is an ideal first kit for learning SMT -- I'm glad I had the opportunity to

> build it before tackling other SM projects. Thanks to NorCal and the guys who cooked

> this one up.

>

> Thanks,

> Richard, K1WX

-----

Date: Tue, 02 May 2000 00:00:39 -0400

From: Al Patrick <arp@inet4u.com>

To: pstrdave@kdsi.net

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [69201] Re: OT: magazine info

Message-ID: <390E52E7.68370BE0@inet4u.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

David Heintzleman wrote:

> Hi, can someone pass along address/phone number for CQ magazine so I

> can order a back issue? Been awhile since I subscribed.

> thanks

> Dave K8BBM

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681-2926

--

"The Truth is Hate, to Those Who Hate the Truth"  
Do what's right. You'll please OR AMAZE everyone!

-----  
Date: Mon, 1 May 2000 21:08:41 -0700 (PDT)  
From: Steve Yates <aa5tb@yahoo.com>  
To: QRP-L Distribute <grp-l@Lehigh.EDU>  
Subject: [69202] QRPTTF - AA5TB  
Message-ID: <20000502040841.15188.qmail@web3006.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I had a great time Saturday. I never heard what any of the locals from NORTEX were doing for the contest so I just threw an end-fed halfwave antenna vertically into my cotton wood tree and setup my MFJ-9020 on 20m with 4W using battery power in my front yard.

I worked 42 stations and 24 sections while being in the FD category. My total score looks to be 25,440 as I've scribbled it out on paper but I'll verify that before sending in my logs.

W0RW and W0CQC were consistently loud here and I wonder what y'all were using for antennas? I heard Paul, NA5N very strong too for about 2 seconds then I couldn't catch up to him again to work him.

I'm looking forward to Field Day and QRP A Field!

=====

73,

Steve Yates - AA5TB  
Fort Worth, TX - EM12gs  
<http://www.geocities.com/aa5tb>  
[aa5tb@yahoo.com](mailto:aa5tb@yahoo.com)

-----  
-----  
Do You Yahoo!?  
Send instant messages & get email alerts with Yahoo! Messenger.  
<http://im.yahoo.com/>  
-----

Date: Mon, 01 May 2000 20:33:55 -0800  
From: Jim Larsen AL7FS <[al7fs@pobox.alaska.net](mailto:al7fs@pobox.alaska.net)>  
To: "qrp-1@lehigh.edu" <[qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)>  
Subject: [69203] AL7FS - Spartan Sprint - 5/2/2000 UTC  
Message-ID: <390E5AB3.FEA46C0@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Greetings from Alaska!

The Spartan Sprint was interesting. I worked three more QSOs that I did in the QRPTTF and did it in less than two hours. In spite of that, the bands were not all that good. It was interesting because the band would be bad for a while, then it would clear up and the "sound" of the band had less hiss and noise...sorta like your ears coming clean. The signals would come up and I would work a few in a rush and then the band would noise up again.

I was pleased to work MO, UT, AZ, NV, CA, WA, OR, and CO. Colorado was the most often worked state with AB0GO, N0IBT, N0TK and N0RC all making the trip. (Just rechecked and CA was the most often worked at 5 QSOs) WB0WQS in MO surprised me right off the bat. I had good clean copy on K04PY working AA7QU but then I couldn't get to either of them. At 0148Z, K1QM was good copy and then went away. I spent a goodly amount of time trying to work K5LN in TX and thought I had him at 0207Z but finally figured out he must not have copied. Such is life.

I checked 40 and 15 meters but there was nothing on them for me. Our sunset is 3-4 hours (10:04 PM) after the end of the SP and it stays sunset until 11:30 PM. As such, 40 meters might be something for me to try later in the evening.

Thanks to all...it was fun. 73, Jim, AL7FS - Anchorage, Alaska

--

Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>  
Anchorage, Alaska <mailto:al7fs@pobox.alaska.net>  
QRP ARCI #6754 Check out <http://www.qrparci.org/>

-----  
Date: Mon, 1 May 2000 21:54:56 -0700  
From: "John Moriarity" <k6qq@hdo.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [69204] Any news on K7Q0??  
Message-ID: <008301bfb3f2\$906bbaa0\$1e424cd1@k6qq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

I haven't seen any posts from Chuck for quite a while.  
Any word on how he's doing?

72,

John, K6QQ

Alturas, CA, at the corner of 299 & 395.

-----  
Date: Tue, 2 May 2000 01:33:13 -0400 (EDT)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: Paul Womble <pwomble1@tampabay.rr.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [69205] Re: Battery Power  
Message-ID: <Pine.3.89.10005020133.E21395-0100000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 1 May 2000, Paul Womble wrote:

>

> What battery(s) is the best for the longer operating events (Field Day  
> mainly)? Thinking of deep cycle marine batteries with enough juice to  
> power the K2 @ 5 watts along with a laptop for logging.

>

I just picked up a 100A/H marine battery at Pep Boys for about \$50. It  
will easily power the K2 and 486 notebook for a full 27 hours of FD...  
Before FD, I'll fully discharge it and recharge from a 2A solar panel.

73,

Bob Patten, N4BP

( 0 0 )

Plantation, FL

-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://www.qsl.net/n4bp>

Brass Pounder BBS: (954) 472-7715

SOC #1Whiners #6

-----  
Date: Tue, 02 May 2000 00:32:52 PDT  
From: "Leon Heller" <[leon\\_heller@hotmail.com](mailto:leon_heller@hotmail.com)>  
To: [bowerm@ix.netcom.com](mailto:bowerm@ix.netcom.com), [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)  
Subject: [69206] Re: Ungar 9900 tips?  
Message-ID: <20000502073252.30991.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>  
>I purchased an Ungar 9900 soldering station at Timonium. It came with no  
>tips and I have been unable to find anybody who sells them.  
>  
>Does anybody know of a ready source for Ungar 9900 soldering tips?  
>

Ungar was taken over by Weller. You should be able to get the tips from  
them, or their distributors.

73, Leon

--

Leon Heller, G1HSM

Tel (work): +44 1327 357824 Tel (mobile): +44 79 9098 1221

InfraRed Integrated Systems Ltd., Towcester Mill, Towcester, Northants.,  
NN12 6AD, United Kingdom.

Email: [leon\\_heller@hotmail.com](mailto:leon_heller@hotmail.com)

Web page: <http://www.geocities.com/SiliconValley/Code/1835>

-----  
Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>



-----  
Date: Tue, 02 May 2000 01:38:39 -0700  
From: John Paul Dooley <w6zip@gte.net>  
To: QRP-L@Lehigh.EDU  
Subject: [69207] Gell Cells  
Message-ID: <390E940F.BA409CA8@gte.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Can Anyone point me in the best direction to buy Gel Cell Batteries?  
Yuasa, etc.? My power station's 12V 7Ahr has breathed it's last and I  
can't understand why. The thing is about 6 years old, and should power  
my HT for at least a week, yet when it's given a full 8 hr. charge the  
charge light comes on in about 1 hour. The guy at The Ham Contact said  
that he would sell me a replacement for about \$30 or replace the unit  
for \$39, but all I'm sure that I need is just a new battery. -Calling  
all porta power heads- 72, 73

John Paul Dooley W6ZIP  
Victorville, Ca.

-----  
Date: Tue, 2 May 2000 04:47:25 -0400  
From: joe lerch <jl@early.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [69208] How's 40 meters lately?  
Message-ID: <00050204521501.00251@->  
Content-Type: text/plain  
MIME-Version: 1.0  
Content-Transfer-Encoding: 8bit

Is it my station or is 40 not so good the last several days?  
It's a lot different than a couple of weeks ago, not sure if I have  
a problem with my antenna/feedline or if it is just band conditions.  
If the rest of you are doing as well as a couple of weeks ago, I need  
to look more closely at my antenna/feedline to find what changed.

joe  
-----

Date: Tue, 2 May 2000 06:30:17 -0400  
From: "Michael Bower - N4NMR" <bowerm@ix.netcom.com>  
To: <rbvoss@gsinet.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [69209] Re: SMK-1: a couple of questions  
Message-ID: <00a701bfb421\$69cfa6c0\$0100a8c0@dadsmachine>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I picked up some .015 silver solder at Radio Shack yesterday. Tiny stuff but should work great.

Michael - N4NMR

----- Original Message -----

From: Richard Voss <rbvoss@gsinet.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Monday, May 01, 2000 10:35 PM  
Subject: SMK-1: a couple of questions

> Almost finished my SMK-1; just have to fix one screw up. After dutifully soldering  
> the components in the specified order, I discovered the trim caps in Bag #2 weren't  
> to go in til later. Gotcha! I missed that when first reading the instructions.  
> They later say to orient the trim caps exactly as shown on the silkscreen of the  
> board. Of course, I can't see the silkscreen now. I'd rather not yank them out if  
> I don't have to. Anyone know of a web page with a picture of the board? The one on  
> Red Hot Radio's site appears to be an earlier version than the one they shipped.  
>  
> Another question: I used .031 dia silver solder. It worked OK, but in some places  
> .020 dai would have worked much better. Can anyone point me to a source for this  
> stuff? I can't find it in any of the catalogs I've got.  
>  
> This is an ideal first kit for learning SMT -- I'm glad I had the opportunity to  
> build it before tackling other SM projects. Thanks to NorCal and the guys who cooked

> this one up.  
>  
> Thanks,  
> Richard, K1WX

-----  
Date: Tue, 2 May 2000 07:52:11 -0400  
From: "Tom Erwin" <terwin3@bellsouth.net>  
To: <bowerm@ix.netcom.com>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [69210] Test (Don't read)  
Message-ID: <004301bfb42c\$db7b12e0\$9fe598cd@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

This is only a test....73's  
----- Original Message -----

From: "Michael Bower - N4NMR" <bowerm@ix.netcom.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Tuesday, May 02, 2000 6:30 AM  
Subject: Re: SMK-1: a couple of questions

> I picked up some .015 silver solder at Radio Shack yesterday. Tiny stuff  
> but should work great.

>  
> Michael - N4NMR

>  
> ----- Original Message -----  
> From: Richard Voss <rbvoss@gsinet.net>  
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
> Sent: Monday, May 01, 2000 10:35 PM  
> Subject: SMK-1: a couple of questions

>  
>  
> > Almost finished my SMK-1; just have to fix one screw up. After  
dutifully  
> soldering  
> > the components in the specified order, I discovered the trim caps in Bag  
> #2 weren't  
> > to go in til later. Gotcha! I missed that when first reading the  
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> of the  
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> >  
> > Another question: I used .031 dia silver solder. It worked OK, but in  
> some places  
> > .020 dia would have worked much better. Can anyone point me to a source  
> for this  
> > stuff? I can't find it in any of the catalogs I've got.  
> >  
> > This is an ideal first kit for learning SMT -- I'm glad I had the  
> opportunity to  
> > build it before tackling other SM projects. Thanks to NorCal and the  
guys  
> who cooked  
> > this one up.  
> >  
> > Thanks,  
> > Richard, K1WX  
>  
>

-----  
Date: Tue, 2 May 2000 08:04:19 EDT  
From: Wb8siw@aol.com  
To: pwomble1@tampabay.rr.com, qrp-1@lehigh.edu  
Subject: [69211] Re: Battery Power  
Message-ID: <b4.4b7ed78.26401e43@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Paul:

I've run Field Day utilizing a 50 Watt Transceiver and a 120 Ah Deep Cycle Marine Battery during several such events. I rarely operate the entire 24 hours and I'm certainly not an aggressive contester (I prefer to have "fun") so the Battery has always lasted the entire event. It's great not to have to listen to a generator for hours on end.

I suspect such a battery would run a K2 and a lap-top for the Field Day with little difficulty. By the way, Cabelas (the big Outfitter from Nebraska)

manufacturers a very nice carrying case for Marine Batteries. It includes power jacks, a meter, and a handle for carrying around the marine battery. While it's meant for trolling motors, I've utilized two such cases for deep cycle batteries kept on hand for disaster communications.

I suspect that if you eliminated the lap-top, you could probably utilize a gel cell or two for the event due to the fairly limited duty cycle of the transmitter.

Good luck.

73, Jim

What battery(s) is the best for the longer operating events (Field Day mainly)? Thinking of deep cycle marine batteries with enough juice to power the K2 @ 5 watts along with a laptop for logging.

-----  
Date: Tue, 2 May 2000 08:03:58 -0400  
From: "Victor Blackwell" <victor@bretnet.com>  
To: <jl@early.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [69212] Re: How's 40 meters lately?  
Message-ID: <000e01bfb42e\$7fbdb60\$515730d1@pavilion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Band has been poopy. Class M flares, high ex-ray, Geo-magnetic storms.

This all goes along with times when solar flux is high.

Vic AD8K

-----Original Message-----  
From: joe lerch <jl@early.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Tuesday, May 02, 2000 5:58 AM  
Subject: How's 40 meters lately?

Is it my station or is 40 not so good the last several days?  
It's a lot different than a couple of weeks ago, not sure if I have a problem with my antenna/feedline or if it is just band conditions.

If the rest of you are doing as well as a couple of weeks ago, I need to look more closely at my antenna/feedline to find what changed.

joe

-----  
Date: Tue, 2 May 2000 08:10:48 EDT  
From: Wb8siw@aol.com  
To: farnworth@citylinq.com, qrp-1@lehigh.edu  
Subject: [69213] Re: MIC for QRP plus  
Message-ID: <bc.48dcd78.26401fc8@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Bob:

I had a QRP Plus at one time. I built an adapter that allowed me to utilize a Yaesu Microphone (I happened to have a spare). One can purchase a variety of "in-line" female microphone connectors which are compatible with today's communications mics. I suspect any low impedance communications mic will probably work OK. You may want to check the specs provided with the radio however, it's been a long time since I saw them!

73, Jim WB8SIW

I recently aquired a QRP plus and would appreciate hearing experience of others on mic's that have been used with the QRP plus.  
Bob, W7CD

-----  
Date: Tue, 02 May 2000 08:19:22 -0400  
From: Richard Voss <rbvoss@gsinet.net>  
To: qrp-1@Lehigh.EDU  
Subject: [69214] Re: SMK-1: a couple of questions  
Message-ID: <390EC7CA.4ECED879@gsinet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

What a bonehead! I couldn't find any use for page 6 of the manual and ignored it -- then forgot about it when I needed it. And I was in Radio Shack just a couple of days ago, but never thought of

getting solder there.

Thanks very much to everyone who sent me solutions. It's much appreciated.

Richard, K1WX

-----  
Date: Tue, 02 May 2000 12:39:06 +0000  
From: chartwell@att.net  
To: qrp-l@lehigh.edu  
Subject: [69215] Memory for sale  
Message-ID:  
<20000502123906.YXFV12683.mtiwmhc26.worldnet.att.net@webmail.worldnet.att.net>

Hello All

I have been lucky enough to have extra to my needs four pieces of 32 MB memory modules for: Toshiba Satelite Pro, Tecra, & Portege series Laptops. The part number is KTT610/32 from Kingston NoteWorthy. I am not sure what these may be worth now, but the container is light and should be able to ship them in the CONUS for only a few dollars. How about I offer them for \$20.00 each and I ship CONUS.

Return email address is: chartwell@worldnet.att.net

Marty kd8bj  
Columbus OH.

-----  
Date: Tue, 2 May 2000 08:44:48 -0400  
From: "John Nally" <nally@talstar.com>  
To: <qrp-l@lehigh.edu>  
Subject: [69216] More on insulated wire  
Message-ID: <006b01bfb434\$34f16e80\$655bfea9@r6g4f3>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

OK, following the excellent advice of so many I put my horizontal 40-meter dipole up at about 35 feet using 12 gauge insulated wire. I cut it to 33 feet per leg, but sure enough (as predicted) had

to prune about 18 inches off each leg. 1:1 SWR at 7100.

Haven't gotten my RedHot-40 put together yet, but the Ten-Tec Pegasus will crank down to 5 watts, so guess I'll try that on qrp to start with. I'm thoroughly ashamed of how slow my CW is, so going to have to practice some before I have the nerve to get on the air :-)  
And even then, in the novice bands.

John WB4LOQ

-----  
Date: Tue, 2 May 2000 08:53:47 -0400  
From: Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>  
To: AA3BP@aol.com, qrp-1@Lehigh.EDU  
Subject: [69217] IC-728 results  
Message-ID: <v03110702b5347f968f2a@[132.235.81.133]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi all,

Thanks for all the quick and courteous replies. The IC-728 does not have a an "official" VOX button, but it is called the "Break-In" button on the back panel. Yes, I've had that in and out with the same results: Rig goes into transmit, but no power out on CW only. So I'm going to order a service manual and have at it!

Thanks again to al who responded,

NS80

-----  
Date: Tue, 2 May 2000 06:08:31 -0700  
From: <ae5x@juno.com>  
To: <qrp-1@lehigh.edu>  
Subject: [69218] Pixie kit source?  
Message-ID: <200005021308.GAA06335@disp-003.pocketmail.com>

Good morning,

Does anyone know of a source for Pixie kits? I know HSC/Halted used to sell them but they no longer make any mention of these kits on their web site. Anyone else kitting them?



Thanks and 72,

John Harper, AE5X

Outdoor QRP: <http://home.att.net/~j..harper>

-----  
Date: Tue, 2 May 2000 09:05:00 -0400  
From: "Tom Erwin" <terwin3@bellsouth.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [69219] SMK-1 up and running  
Message-ID: <006f01bfb437\$07154a60\$9fe598cd@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello everyone,

I am new to this group and have been reading the mail for about two weeks. I just got into qrp last fall and I'm hooked. I've built the Ten Tec 40 meter cw transciever and have been using it for some time now. Like others I built the SMK-1 last weekend when I got it in the mail. First time to work with anything that small for me, but the kit went together well.

On first try I had no audio, traced it back to a bad solder connection on the audio amp output pin. One quick resolder job and audio came in. Peaked the trimmers and 40 meters came in good. The output was verified at 210 mw. So far two contacts have been made, one in GA and NY. Not bad for 210mw. Can't wait for the 10 meter SMT kit.

(I need to buy a smaller soldering iron) :})

The guys at Norcal did a great job, thanks for the experience with surface mount.

73's Tom (WD9GON)

Georgetown, KY.

-----  
Date: Tue, 2 May 2000 06:48:45 -0700  
From: "Barry L. Geipel - AD6HR" <bgeipel@primenet.com>  
To: <maddog@io.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [69220] Re: SMK-1 Problem Report  
Message-ID: <004701bfb43d\$23637ab0\$6a0aa8c0@continuuus.com>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I am experienceing a similar problem to what Marty reported. The series mute transistor

Q1 is not allowing the signal through. I jumpered the drain and source of Q1 and the reciever came to life. I traced the keying curcuit and it seems to work just fine. (unlike Marty)

What kind of test could I run to confirm the Q1 is either working or dead?

Thanks for the help.

73  
Barry AD6HR

----- Original Message -----

From: Maddog 'n' Miracles <maddog@io.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Sunday, April 30, 2000 8:25 PM  
Subject: SMK-1 Problem Report

-----  
Date: Tue, 2 May 2000 09:52:51 -0400  
From: "Lynne or Larry Manuel" <lmanuel@bellatlantic.net>  
To: "QRP List" <qrp-1@Lehigh.EDU>  
Subject: [69221] .020 dia silver solder  
Message-ID: <007801bfb43d\$b6783840\$0101a8c0@lmanuel>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

From: Richard Voss <rbvoss@gsinet.net>>  
> Another question: I used .031 dia silver solder. It worked OK, but in some places  
> .020 dai would have worked much better

I think Radioshack is a good source.

Have a look: 0.022"

[http://www.radioshack.com/ProductCatalog/ProductDetail/Index/1,2098,CTLG\\_1\\_6400013,00.html](http://www.radioshack.com/ProductCatalog/ProductDetail/Index/1,2098,CTLG_1_6400013,00.html)

0.015"

[http://www.radioshack.com/ProductCatalog/ProductDetail/Index/1,2098,CTLG\\_1\\_6400035,00.html](http://www.radioshack.com/ProductCatalog/ProductDetail/Index/1,2098,CTLG_1_6400035,00.html)

Larry Manuel  
KB3EW0  
lmanuel@bellatlantic.net  
Pittsburgh, PA.

-----  
Date: Tue, 2 May 2000 09:58:12 EDT  
From: SABorns@aol.com  
To: bgeipel@primenet.com  
Cc: qrp-1@lehigh.edu  
Subject: [69222] Re: SMK-1 Problem Report  
Message-ID: <f.33bf2e3.264038f4@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Barry,

I am having the same problem with audio through Q-1. If I bypass it the receiver works fine.  
With it unbypassed very little audio. Does anyone have any idea what the voltages should be associated with Q-1 and D5.

I'm glad I'm not the lone ranger on this one.

Thanks,

Steve K8IDN

-----  
Date: Tue, 2 May 2000 10:29:14 -0400  
From: Alvin J Bernard <ni4q@juno.com>  
To: qrp-1@Lehigh.edu  
Cc: ni4q@juno.com  
Subject: [69223] FS / FT Surface Mt. Components  
Message-ID: <20000502.102923.6502.0.ni4q@juno.com>

4,795 new, prime surface mount components FS / FT:

\*\*\*\*\*

Resistors: 5%

Qty.	Value (ohms)
20	3
20	5.1
20	6.8
24	10
20	15
24	12
5	15
20	18
5	22
20	27
20	30
25	33
40	39
44	47
10	51
20	56
25	62
5	68
20	75
19	82
25	91
68	100
20	120
20	130
29	150
21	180
20	200
24	220
20	240
20	270
30	330
20	390
32	470
20	510
60	560
24	680
20	820
108	1K
20	1.2K
45	1.5K
20	1.8K

20	2K
25	2.2K
20	2.4K
20	2.7K
50	3.3K
60	3.9K
25	4.7K
20	5.1K
21	6.2K
21	6.8K
20	7.5K
19	8.2K
18	10K
20	12K
43	15K
20	16K
20	20K
25	22K
20	27K
20	30K
45	33K
20	36K
40	39K
25	47K
20	51K
20	59K
25	68K
19	75K
20	82K
70	100K
19	120K
5	150K
20	160K
21	180K
20	200K
20	220K
20	240K
20	270K
20	300K
5	330K
20	390K
20	430K
25	470K
19	510K
19	560K
4	680K
20	820K
25	1M

20	1.5M
21	2.2M
22	3.3M
20	4.7M
20	5.1M
5	10M

Resistors: 1%

25	18.2
25	22.1
25	27.4
25	33.2
25	100
25	143
25	392
25	787
25	3.32K
25	5.62K
25	9.76K
25	22.1K
25	42.2K
49	47.5K
24	52.3K
25	82.5K
25	110K
25	162K
24	294K
22	324K
25	340K
25	562K
25	1M

1% - 1 Watt

5	4.7
5	10
5	39
5	50
5	61.9
5	75
5	90.9
5	124
5	270
5	300
5	402
5	464
5	499

5	680
5	1.33K
5	1.4K
5	1.5K
5	2K
5	3K
5	5.6K
5	20K
5	33.2K
5	100K

Capacitors: (pF)

-----	
50	.4
20	1.2
24	2
4	2.2
20	3
20	4.7
20	5
49	6
52	6.8
20	7.5
20	8.2
20	10
20	12
10	15
50	20
20	22
20	24
20	27
20	33
4	39
20	47
19	51
14	55
20	56
13	68
9	82
21	100
51	120
20	150
51	180
20	200
20	220
17	270
50	360
50	390

20                      560

Capacitors: (uF)

-----  
5                      .001  
12                     .0012  
8                      .0033  
16                     .0047  
95                     .01  
16                     .015  
18                     .018  
6                      .02  
10                     .033  
10                     .068  
8                      .1  
12                     .15  
10                     .047  
10                     .22

Trim resistors:

-----  
10                     2K  
6                      5K  
10                     10K  
20                     24K  
5                      50K  
4                      100K

Trim Capacitors: (pF)

-----  
10                     9-40  
5                      3-30

Tantalum Capacitors: (uF)

-----  
10                     1  
5                      2.2  
5                      3.3  
10                     4.7  
5                      6.8  
10                     10  
5                      15  
5                      22  
2                      47

Inductors: (uH)

-----  
4                      .033



4	.047
4	.056
3	.15
4	.33
4	.56
14	.68
9	.82
10	1
20	1.2
10	4.7
10	47
10	56
10	100
10	15
10	39
10	390
10	470

#### Diodes:

4	MMBV109 (varactor)
10	BAT18 (pin)

#### Transistors:

10	BFS17
10	2N2222A
9	2N2907
10	2N4124
10	2N4126

#### IC's (TTL):

4	74LS00
4	74LS74
98	74LS113
94	74LS196

#### IC's (CMOS):

4	4016
24	4046
2	4069
4	4071
4	4081
2	4094
5	74HCT00
24	74HCT11

IC's (Linear):

```
-----  
10                LM258  
4                 LM324  
4                 LM-339  
4                 LM-393  
4                 LM-555  
8                 741  
4                 LM-1458  
2                 CA3046  
2                 MC3403
```

TOTAL all components: 4,795

-----  
Al, NI4Q

-----  
Date: Tue, 02 May 2000 09:40:40 -0700  
From: Dick Carroll <dixie@townsqsr.com>  
To: Wb8siw@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [69224] Re: Battery Power  
Message-ID: <390F0508.4B5F3D98@townsqsr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Go to your local Walmart or any auto supply center and buy a JumpStart battery. It isn't deep cycle, but doesn't need to be. It contains a large gelcell battery. Comes with its own charging wallwart, and has not only a cigarette lighter output plug and charge status panel, but also a set of builtin jumper cables, in case you leave something on that drains your car battery! There's plenty room for installing your own power jacks, as I intend to do. It's fairly lightweight for its high current capability, has builtin

portbilitthe handle is cast into the sturdy tough case.  
Costs around \$50 or even less in some places, like Sam's  
Club.

Dick W0EX

Wb8siw@aol.com wrote:

>  
> Hi Paul:  
>  
> I've run Field Day utilizing a 50 Watt Transceiver and a 120 Ah Deep Cycle  
> Marine Battery during several such events. I rarely operate the entire 24  
> hours and I'm certainly not an aggressive contesteer (I prefer to have "fun")  
> so the Battery has always lasted the entire event. It's great not to have to  
> listen to a generator for hours on end.  
>  
> I suspect such a battery would run a K2 and a lap-top for the Field Day with  
> little difficulty. By the way, Cabelas (the big Outfitter from Nebraska)  
> manufacturers a very nice carrying case for Marine Batteries. It includes  
> power jacks, a meter, and a handle for carrying around the marine battery.  
> While it's meant for trolling motors, I've utilized two such cases for deep  
> cycle batteries kept on hand for disaster communications.  
>  
> I suspect that if you eliminated the lap-top, you could probably utilize a  
> gel cell or two for the event due to the fairly limited duty cycle of the  
> transmitter.  
>  
> Good luck.  
>  
> 73, Jim  
>  
> What battery(s) is the best for the longer operating events (Field Day  
> mainly)? Thinking of deep cycle marine batteries with enough juice to  
> power the K2 @ 5 watts along with a laptop for logging.

-----

Date: Tue, 2 May 2000 08:44:05 -0600 (MDT)  
From: af852@rgfn.epcc.edu (William R Colbert)  
To: pstrdave@kdsi.net, qrp-l@lehigh.edu, w5xe@juno.com  
Subject: [69225] Re: OT: magazine info  
Message-ID: <200005021444.IAA13490@rgfn.epcc.edu>

You might also have a look at: <http://www.cq-amateur-radio.com/>

where you can see a preview of coming attractions and other  
CQ Enterprises info like their book store, etc.

73

Ray

--

"The more I see of the representatives of the people, the more I  
admire my dogs." letter from Count d'Orsay to John Foster 1850  
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2 SOC#78  
El Paso, (FAR WEST) TEXAS

-----  
Date: Tue, 2 May 2000 09:19:31 -0500  
From: n4so@juno.com  
To: qrp-1@Lehigh.edu  
Subject: [69226] CQ Magazine E-mail info  
Message-ID: <20000502.100359.-239327.5.N4SO@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

From: N4SO

CQ@cq-amateur-radio.com

Corrections/comments to CQ Magazine can go via the Editor:

CQMagazine@aol.com

W2VU@aol.com

Rich, W2VU, Editor

Ken Brown, N4SO  
Mobile, AL EM50tk  
NorCal-20 at 5 watts  
4 element yagi

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Tue, 02 May 2000 08:47:45 -0700  
From: Bob Hightower <nk7m@extremezone.com>  
To: qrp-1@lehigh.edu  
Subject: [69227] SMK-1  
Message-ID: <200005021545.IAA15133@enterprise.extremezone.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

For those of us who haven't built the TT2, and who haven't yet put their SMK-1 in the enclosure, remember that the keying circuit carries voltage, and must be isolated from whatever conductive material your case is made of. After you've carefully measured, cut, punched and assembled your case, and installed the SMK-1 in it, if you have a constant key down condition, your jack is not isolated. Been there, done that (twice). Seems like I'd learn.

Bob Hightower NK7M  
Chandler, AZ  
SOC #20

<http://www.extremezone.com/~nk7m>

-----  
Date: Tue, 2 May 2000 09:52:19 -0600  
From: "Rod, N0RC" <n0rc@qsl.net>  
To: "qrp-1" <qrp-1@Lehigh.EDU>, <elecraft@qth.net>  
Subject: [69228] May 1 ARS Sprint report  
Message-ID: <000a01bfb44e\$d827d0c0\$c6101004@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Greeting ARS Sprinters

Apologies to those endured repeated "?" & AGN.

Apologies to those who I didn't hear.

I went outdoors last night and took a position in a parking lot overlooking Horsetooth Reservoir, in the Foothills just west of Ft Collins. Setup: K2@5w, Vern Wright's PW-1 fitted to a mag mount

mounted atop my "New" VW Beetle. (My Y2K Bug ;-)

This combo worked great. The K2 and PW-1 together seem made for each other. I have the PW-1 tuning coil marked for the different bands and achieve less than 1.5:1 SWR on all bands with no tuner. Add the K2 with it's ATU and the SWR drops to less than 1.1:1 on all bands. I had the PW-1 fitted to a mag mount from an MFJ VHF whip and mounted atop my VW. The VW makes a dandy ground plane for the PW-1; and an excellent "radio" truck. ;-)

Taken together these three items had some kinda triple mojo thing going. Despite ho-hum propagation conditions, I was working stations all over the country on 20M. NH, NC, MA, NY, CA, WA, UT and more are in the log, 40 QSOs in all. Best of all, a very solid contact with Jim, AF7LS in Alaska! AMAZING that I could work AK with 5W to a 6ft whip with an SFI in the 150's. And I'm pretty sure I heard a KH6 try to call me, but I just couldn't dig the rest of the call.

Worst part of the whole night was the traffic noise from cars, trucks and motor cycles passing by, there was an awful lot of traffic. I was also troubled by a group of teens parked nearby with their radio blasting. But it was a warm spring night, everybody was out doing their own thing and having a good time.

I even played "hooky" from work to join this months sprint. Some think it's a little crazy to take time off work to play radio. But-- I've heard, some folks take time off to chase a little white ball around a cow pasture. ;-) To each their own.

Gotta do this again sometime, higher up in the mountains and in a quieter place.

---

72/3 Rod, N0RC -- Fort Collins, CO

-----

Date: Tue, 2 May 2000 12:00:26 -0400  
From: hamjoel@juno.com  
To: qrp-1@lehigh.edu  
Subject: [69229] Re: More on insulated wire  
Message-ID: <20000502.120751.-262041.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

OH Foul... Faulty logic.... imcomplete info for the conclusion...

Dear John

oh, how I hate to write, but my concern for u has grown, and ur conclusion on insulated wire is invalid..

What u need to do is put up an antenna with uninsulated (naked) wire... Just replace the insulated wire ant with one that an't got no insulation on and see if you have to prune it also and where it is reasonant...

could be ur surroundings causing the wire to appear longish... ONLY WAY TO BE SURE is to put the naked wire in the insulated wires place...

Oh and congradulations sounds like you have one heck of an antenna put in the air... I suspect it will serve you well for many years... and you sure have put a smile on the faces of the people on the list...U got personality....

ke1la joel

in maine

thinking insulation dear John:

On Tue, 2 May 2000 08:44:48 -0400 "John Nall" <nally@talstar.com> writes:

> OK, following the excellent advice of so many I put my horizontal  
> 40-meter dipole up at about 35 feet using 12 gauge insulated  
> wire. I cut it to 33 feet per leg, but sure enough (as predicted)  
> had  
> to prune about 18 inches off each leg. 1:1 SWR at 7100.  
>  
> Haven't gotten my RedHot-40 put together yet, but the Ten-Tec  
> Pegasus will crank down to 5 watts, so guess I'll try that on qrp to  
> start with. I'm thoroughly ashamed of how slow my CW is, so going  
> to have to practice some before I have the nerve to get on the air  
> :-)  
> And even then, in the novice bands.  
>  
> John WB4LOQ  
>

---

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<http://dl.www.juno.com/get/tagj>.

---

Date: Tue, 2 May 2000 12:27:10 -0400

From: "Doug Person" <w4dxv@attglobal.net>

To: <hamjoel@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [69230] Re: More on insulated wire

Message-ID: <00a501bfb453\$457f0220\$febee220@user1>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Oh Nonsense! Insulated wire is not the problem. The overall length required to make a dipole resonant on 40 meters is dependant on the type of soil over which it is erected and the height above ground. There is absolutely nothing wrong with insulated wire - I use it all the time. I have also modeled many a dipole using a computer program and I can assure you that 468 is RARELY ever the right value. Dipoles just about always need to be pruned because no two locations are ever the same. Insulated VS: uninsulated might change the overall length by a few inches. This is why the old MFJ antenna analyzer is so valuable.

Doug Person -- W4DXV

----- Original Message -----

From: <hamjoel@juno.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, May 02, 2000 12:00 PM

Subject: Re: More on insulated wire

> OH Foul... Faulty logic.... imcomplete info for the conclusion...  
> Dear John  
> oh, how I hate to write, but my concern for u has grown, and ur  
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> kella joel  
> in maine  
> thinking insulation dear John:  
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> -----  
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> Try it today - there's no risk! For your FREE software, visit:  
> <http://dl.www.juno.com/get/tagj>.  
>

-----  
Date: Tue, 02 May 2000 08:38:51 -0700  
From: Paul Erickson <paule@sfu.ca>  
To: hamjoel@juno.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [69231] Re: More on insulated wire  
Message-ID: <390EF68B.8CBDC703@sfu.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

hamjoel@juno.com wrote:

>  
> OH Foul... Faulty logic.... imcomplete info for the conclusion...  
> Dear John  
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> in the air... I suspect it will serve you well for many years... and you  
> sure have put a smile on the faces of the people on the list...U got  
> personality....  
> kella joel  
> in maine

Hi Joel,

While I agree, that there MAY be other factors affecting the resonance of John's antenna, insulation does, in fact affect resonance. Many years ago, I put up a Cubix (sp?) 4 element cubical quad. For the sake of durability, I used stranded/insulated 12 gauge wire. When I first put it up, the whole thing was way out of tune. I then lowered the thing and stripped off all the insulation, except for a couple of inches at each corner where the elements were tied to the spreaders. Raised it back to operating height, and everything was right on. The only difference was the preasance/absence of the insulation.

ergo... insulation does affect resonance.

--

cheers, Paul - VA7NT (ex VE7CQK) - email: paule@sfu.ca

"Those who hear not the music, think the dancers mad..."

-----

Date: Tue, 02 May 2000 11:45:06 -0500  
From: "W5TB - 'Doc' Drake" <w5tb@softhome.net>  
To: <qrp-1@lehigh.edu>  
Subject: [69232] QRP TTF for W5TB -- THEY STOLE MY ANTENNA!  
Message-ID: <B5347042.3CCE%w5tb@softhome.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

FINAL SCORE = \_\_1140\_\_\_\_ X \_\_47\_\_ X \_\_3\_\_ = \_\_\_\_\_160,740\_\_\_\_  
PTS

QSO Pts SPCs Loc

Comments:Worked 3 hours in AM -- set up at a picnic table under oak trees in a lovely park along Fish Creek in Arlington, TX. Arrived just before 1500, carried the rig, battery, etc to a picnic table down by the creek -- about a hundred yards from the parking area. Using a water bottle to toss ropes over tree branches I had the double zepp up in about 15 min and was quickly on the air with the Ten Tec Scout (ORP Version), MFJ tuner, and a 7ah battery. It was a beautiful. pleasantly warm, clear day and as I operated I got to watch skaters, joggers, kids with kites -- and even a wedding!

I went QRT at noon local time to join my Labrador retrievier Maggie for a fund raising walk for the Pet Rescue Society. I had not had anyone near the operating position all morning so I decided to just leave the antenna up

rather than loose time getting her to her favorite annual event. When I returned at 3:30 I discovered my antenna \*gone\*! Talk about a bummer :(

Looking closely I found someone had stolen the ropes and trashed the antenna - which I found in pieces in the grass. Rather than quit, I hastily twisted the pieces together to form a random wire and counterpoise and was back on the air by 4pm to complete the contest with another 44 QSOs (92 QSOs in all)

TNX to Norcal for sponsoring and to all for a fun event!

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@arrl.net <http://www.qsl.net/w5tb/>  
QRP/ARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365  
ARRL Life Member

-----  
Date: Tue, 2 May 2000 13:02:10 -0400  
From: "Mike Yettsko" <myetsko@insydesw.com>  
To: <paule@sfu.ca>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [69233] Re: More on insulated wire  
Message-ID: <001101bfb458\$2af9d100\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

While it may be true that insulation affects resonance (by adding a dielectric to the air?) it's not a big deal. There are so many variables in most antennas it's a 'tune it' proposition anyway. And the difference in performance of an antenna shortened by a few percent to make it resonant isn't enough to seriously consider. ESPECIALLY when you consider the increased LIFE of the wire due to the insulation.

But your admonition of the effect in a quad is another matter. In that case the length of the wire ISN'T simply a matter of 'cut it off' to tune. You're talking a square where you'd have to change supports to change the wire length. Unless you could achieve the 'fix' by opening up the gap.

You know, if you built a quad and had it tuned with open wire, then replaced it with insulated wire, I wonder how much you'd have to open up the gap on the driven element?

For that matter, I wonder how that would affect the reflector and directors you may have?

Might make an interesting experiment...

Mike

> hamjoel@juno.com wrote:

> >

> > OH Foul... Faulty logic.... incomplete info for the conclusion...

> > Dear John

> > oh, how I hate to write, but my concern for u has grown, and ur

> > conclusion on insulated wire is invalid..

> > What u need to do is put up an antenna with uninsulated  
(naked) wire...

> > Just replace the insulated wire ant with one that an't got no  
insulation

> > on and see if you have to prune it also and where it is resonant...

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longish...

> > ONLY WAY TO BE SURE is to put the naked wire in the insulated wires

> > place...

> > Oh and congratulations sounds like you have one heck of an  
antenna put

> > in the air... I suspect it will serve you well for many years... and  
you

> > sure have put a smile on the faces of the people on the list...U got

> > personality....

> > kella joel

> > in maine

>

> Hi Joel,

>

> While I agree, that there MAY be other factors affecting the resonance

> of John's antenna, insulation does, in fact affect resonance. Many

> years ago, I put up a Cubix (sp?) 4 element cubical quad. For the sake

> of durability, I used stranded/insulated 12 gauge wire. When I first

> put it up, the whole thing was way out of tune. I then lowered the  
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> and stripped off all the insulation, except for a couple of inches at  
> each

> corner where the elements were tied to the spreaders. Raised it back  
to

> operating height, and everything was right on. The only difference was

> the preasance/absence of the insulation.

>

> ergo... insulation does affect resonance.  
> --  
> cheers, Paul - VA7NT (ex VE7CQK) - email: paule@sfu.ca  
>  
> "Those who hear not the music, think the dancers mad..."  
>  
>

-----  
Date: Tue, 2 May 2000 12:58:48 -0400  
From: "Art Marshall" <artm@t-com.com>  
To: <w4dxv@attglobal.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [69234] RE: More on insulated wire  
Message-ID: <000e01bfb457\$af85d000\$70c80ac0@pc-art2.t-com.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Good grief....  
I'm with you Doug,

So what objective evidence does anyone have that insulated wire causes ANY problems. All I have seen so far has been words with nothing to back up those words. What testing has been performed and under what controlled conditions. I have been using insulated wire for 45 years, with no problems what-so-ever.

Next someone will tell ya, if you wanna use insulated wire, use red but not black, white or green. I guess ya could use antenna wax #9 on the black, white or green insulation to help the dits and dahs slide off easier.

Nonsense, pure nonsense. Put up ur insulated wire antenna, cut it to the freq & swr ya want, connect it to you radio, get on the air and have fun.

73, Art W1FJI

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Doug Person  
Sent: Tuesday, May 02, 2000 12:27 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: More on insulated wire

Oh Nonsense! Insulated wire is not the problem. The overall length

required to make a dipole resonant on 40 meters is dependant on the type of soil over which it is erected and the height above ground. There is absolutely nothing wrong with insulated wire - I use it all the time. I have also modeled many a dipole using a computer program and I can assure you that 468 is RARELY ever the right value. Dipoles just about always need to be pruned because no two locations are ever the same. Insulated VS: uninsulated might change the overall length by a few inches. This is why the old MFJ antenna analyzer is so valuable.

Doug Person -- W4DXV

----- Original Message -----

From: <hamjoel@juno.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, May 02, 2000 12:00 PM

Subject: Re: More on insulated wire

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> YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
> Juno now offers FREE Internet Access!  
> Try it today - there's no risk! For your FREE software, visit:  
> <http://dl.www.juno.com/get/tagj>.  
>

-----  
Date: Tue, 2 May 2000 13:03:48 -0400  
From: "Doug Person" <w4dxv@attglobal.net>  
To: <paule@sfu.ca>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [69235] Re: More on insulated wire  
Message-ID: <00b701bfb458\$638beee0\$febee220@user1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For a dipole, environmental factors will affect the resonant point far more than insulated or uninsulated. The difference is the insulation decreases the velocity factor of the wire slightly (2-3%). Fact is, a 14MHz dipole over average ground at 1/2 wavelength is correctly calculated with 485/F not 468/F. Reduce length from here by another 2-3% and you should be right on for insulated wire. A quad is twice as affected by a change in velocity factor of the wire because it is a full wave rather than a half wave. Therefore a 14MHz element could be off by as much as 1-2 feet or more. I have always found standard 14 gauge household wire to be nearly perfect for dipoles. It's flexible, easy to work with and won't corrode over time. It's flexibility makes it great for portable work because it's easy to rollup and just about never kinks.

Doug Person -- W4DXV

----- Original Message -----  
From: "Paul Erickson" <paule@sfu.ca>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Tuesday, May 02, 2000 11:38 AM  
Subject: Re: More on insulated wire

> hamjoel@juno.com wrote:

> >  
> > OH Foul... Faulty logic.... imcomplete info for the conclusion...  
> > Dear John  
> > oh, how I hate to write, but my concern for u has grown, and ur  
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> operating height, and everything was right on. The only difference was  
> the preasance/absence of the insulation.  
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> ergo... insulation does affect resonance.  
> --  
> cheers, Paul - VA7NT (ex VE7CQK) - email: paule@sfu.ca  
>  
> "Those who hear not the music, think the dancers mad..."  
>  
>

-----

Date: Tue, 02 May 2000 12:03:46 -0500  
From: Richard Matthews <prm@hiwaay.net>  
To: paule@sfu.ca, qrp-l@lehigh.edu  
Subject: [69236] Re: More on insulated wire



Message-ID: <3.0.1.32.20000502120346.0091b4b0@hiwaay.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 08:38 AM 5/2/00 -0700, you wrote:

>cheers, Paul - VA7NT

>

>"Those who hear not the music, think the dancers mad..."

.....

I don't care to get into the insulated vs uninsulated antenna wire debate, but I do have a comment about your sig line.

In Alabama we'd say, "Without the whine of the fiddle and the clang of the banjo, folks who are buck dancing sure do look stupid". Some will say, "even with the music they still look stupid", but now, that's arguable:-)

To make this a post that is on topic, I'll report that my SMK-1 is about half finished and probably won't be done until next week when I get back from a three trip to the Gulf coast. When do the awards start for the longest contact with a SMK-1 using a simple wire antenna?

Richard WA4NWW near the backwaters of the Tennessee River in northeastern Alabama

-----

Date: Tue, 2 May 2000 10:15:46 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [69237] Re: More on insulated wire  
Message-ID: <Pine.GS0.4.10.10005020947130.5316-1000000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I think that the insulation changes the velocity factor of the wire a bit which means that you have to do some trimming.

But, in the real world, the insulation does NOT hurt the way the antenna preforms at all.

Putting a 40m dipole up only 35 feet will cause more trimming to be done than the difference between bare and insulated wire.

I use whatever I get free!

But, on those rare occasions when I buy wire, I get stranded, insulated wire, rated for outdoor use.

Don't forget that none of the antenna formulas we use to cut our wires take into account all the nearby things that affect them. We "adjust" for these seen and unseen things by trimming until it's "right".

As to the color of the insulation.....I always use Red insulation when the wires will be used out of phase and Black insulation when no phasing is needed. This takes advantage of the Red shift..... :-)

(Just a little humor folks!)

OK, back in my hole.....

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....  
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

-----  
Date: Tue, 2 May 2000 13:15:01 -0400  
From: hamjoel@juno.com  
To: qrp-l@lehigh.edu  
Subject: [69238] Re: More on insulated wire  
Message-ID: <20000502.131502.-327661.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Whoa... hold it... stop right here...

Guys I was just enjoying writing Dear John... insulated vs uninsulate wire is not an issue with me... I use whatever I have handy... and prune and tune as necessary ... when necessary...

So Please, lower the blood pressure.... and I'll stop writing Dear John, if you'll stop fussing over insulated verses uninsulated wire.... okay????

Have fun with your antenna John... and thanks for the chance to write a

Dear John letter or two...and still be qrp...  
kella Joel  
in maine  
deer hunting... hee hee

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Tue, 2 May 2000 11:04:07 -0600  
From: "Rod, N0RC" <n0rc@qsl.net>  
To: "qrp-1" <qrp-1@Lehigh.EDU>  
Subject: [69239] Time to make Ft Tuthill Reservations  
Message-ID: <011101bfb459\$af4532a0\$c6101004@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Can someone offer up a list of motels near the Ft Tuthill event?

I don't have the stuff for camping, I'm more of a day hiker. Besides,  
to me roughing it is a motel with out cable TV. ;-)

---  
72/3 Rod, N0RC -- Fort Collins, CO

-----  
Date: Tue, 02 May 2000 11:19:12 -0600  
From: carlos.caro@lmco.com  
To: qrp-1@Lehigh.EDU  
Subject: [69240] RE: More on insulated wire  
Message-ID: <D0A28D7EFEB4D11181DE0000F80627BB023A46E6@EMSS02M14>  
Content-return: allowed  
MIME-version: 1.0  
Content-type: text/plain  
Content-transfer-encoding: 7BIT

Better to be too dumb to know you can't do something. That way you go ahead  
and do it. Thats called amateur EXPERIMENTING. If you listen to the experts  
tell you its wrong or can't be done you don't even try and miss out on  
learning good stuff.

Regards, Carlos #1333

-----  
Date: Tue, 2 May 2000 10:24:12 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: carlos.caro@lmco.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [69241] RE: More on insulated wire  
Message-ID: <Pine.GSO.4.10.10005021022130.5703-100000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 2 May 2000 carlos.caro@lmco.com wrote:

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> and do it. That's called amateur EXPERIMENTING. If you listen to the experts  
> tell you it's wrong or can't be done you don't even try and miss out on  
> learning good stuff.

Hi Again folks,

This note from Carlos just about says it all!

While we tend to like understanding all the little "what's"  
and "why's", don't ever forget to just give things a try  
and see what happens.

Experimenting is where it's at!

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....  
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

-----  
Date: Tue, 2 May 2000 13:23:59 -0400  
From: "Everhart, Joseph @ CSE" <jeverhar@mail.cse.l-3com.com>  
To: "'nk7m@extremezone.com'" <nk7m@extremezone.com>  
Cc: "'qrp1'" <qrp-1@lehigh.edu>  
Subject: [69242] RE: SMK-1  
Message-ID: <56AE25C909CED311BEA70000D11AD11E3A0C18@l3c-xchg-cse.mail.cse.l-3com.com>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Bob,

Not a problem with the SMK-1. Dave Fifield cleverly added a grounded type keying circuit along with his other needed mods. The upshot is that you can ground the outer sleeve of the key jack as you would normally do and use the ordinary keys or keyers that go key down by grounding the key lead.

Saves all that bother with the "ordianry" TT-2.

Joe E.

-----Original Message-----

From: Bob Hightower [mailto:nk7m@extremezone.com]  
Sent: Tuesday, May 02, 2000 11:48 AM  
To: Low Power Amateur Radio Discussion  
Subject: SMK-1

For those of us who haven't built the TT2, and who haven't yet put their SMK-1 in the enclosure, remember that the keying circuit carries voltage, and must be isolated from whatever conductive material your case is made of. After you've carefully measured, cut, punched and assembled your case, and installed the SMK-1 in it, if you have a constant key down condition, your jack is not isolated. Been there, done that (twice). Seems like I'd learn.

Bob Hightower NK7M  
Chandler, AZ  
SOC #20

<http://www.extremezone.com/~nk7m>

-----  
Date: Tue, 02 May 2000 17:27:54 -0700  
From: dave.g0dja@psilink.co.uk (David J. Ackrill)  
To: qrp-l@lehigh.edu  
Subject: [69243] SMK-1  
Message-ID: <E12mgSd-0003i6-00@relay3.mail.uk.psi.net>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Been a bit busy lately, and it looks like I missed the SMK-1 offer. :-)

Can anyone tell me if the kits are still available, the cost, and who I need to contact to arrange transfer of funds etc., please?

Thanks de Dave (G0DJA)

-----  
Date: Tue, 02 May 2000 13:31:59 -0400  
From: Kenneth Hoglund <hoglund@wfu.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [69244] HB: RS Soldering Station on Sale  
Message-ID: <390F110F.92D3B431@wfu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ran home at lunch and just caught the mailman delivering the May Radio Shack circular. p. 20 lists the "precise microprocessor-controlled soldering station" as on sale, #910-3893. Was \$149.95, now "just" \$49.95. Available on-line "now," or "by special order at your RadioShack store or by phone."

Hey, even comes with 1.2mm tip, just in time for SMT fun!

Sorry, 10m transceiver still \$149.99.

Usual disclaimers apply-- in fact, would like to hear of anyone using the station and their thoughts.

Ken Hoglund  
KG4FGC

-----  
Date: Tue, 2 May 2000 13:34:03 -0400 (EDT)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: Art Marshall <artm@t-com.com>  
Cc: Kevin Bunin <sbrowrdbor@aol.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [69245] RE: More on insulated wire  
Message-ID: <Pine.3.89.10005021331.A11289-0100000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII



----- Original Message -----

From: joe lerch <jl@early.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Tuesday, May 02, 2000 3:47 AM

Subject: How's 40 meters lately?

>  
> Is it my station or is 40 not so good the last several days?  
> It's a lot different than a couple of weeks ago, not sure if I have  
> a problem with my antenna/feedline or if it is just band conditions.  
> If the rest of you are doing as well as a couple of weeks ago, I need  
> to look more closely at my antenna/feedline to find what changed.  
>  
>  
>  
> joe  
>

-----  
Date: Tue, 2 May 2000 13:38:17 -0400

From: "Doug Person" <w4dxv@attglobal.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [69247] Re: More on insulated wire

Message-ID: <00dc01bfb45d\$34b1f7e0\$febee220@user1>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Here's my tried and true method of dipole construction:

1. Take your best educated guess at the right length ( $468/f$ ), etc), build and put it up. I always add extra length in the form of stubs - say an extra 6 inches on each side for a 20 meter dipole.
2. With your analyzer determine it's actual point of minimum swr
3. Calculate the length value for this frequency
4. Take the difference in length between this value and your starting value and apply to your antenna
5. You should now be dead on

Example:

1. 20 meter dipole cut for 14.175 is  $468/14.175 = 33.01$  - let's just say 33 feet even.



2. Add 6 inches per side fudge factor in the form of stubs that hang vertically down at the insulators
3. Hang it up and measure for minimum SWR which is, for the sake of this example say, 13.9MHz
4. Calculate difference:  $468/13.9 = 33.67$
5.  $33.0 - 33.67 =$  a difference of .67 feet total length or 4 inches per side
6. Take down antenna and trim 4 inches off of each stub leaving 2 inches
7. Raise antenna to original height and you should be right on.

If you change the height - the point of minimum SWR WILL change. If you're building a 40 meter dipole and placing it at a height of 35 feet the min SWR point can change if you move the antenna up or down even 1 foot. Depends on the nature of the soil underneath it.

Doug Person -- W4DXV

-----  
Date: Tue, 2 May 2000 11:42:20 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [69248] building qrp stuff  
Message-ID: <Pine.LNX.3.95.1000502112432.23048A-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

ok, so I'm starting to prepare a data switch box to house the SW-30 rig....I must explain that I'm one of those guys that you cannot apply the title "Craftsman" to like you can to Earl, VA6RF, when it comes to putting it all together...maybe it has something to do with being in too much of a hurry or lack of patience or both....HI HI....picture the board with all components installed and four mounting bolts located at each corner of the board....I wan to locate the four mounting bolts on the bottom of the data switch box and position them (centering the board) so I can mark & then drill the holes for them...well I'm one of those guys who can have 3 of the holes in an ok-for-drilling-position but I always screw up on the fourth hole....is there some sure-fire method of doing this so I don't have to re-drill or get the files out?...right now I'm messing around with some drafting paper (with all the squares on it) thinking this might be the way to go...but I would appreciate any sure-fire ideas on this.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -

"QRP! How sweet it is!"

"I am da man wit "DAH" paddle!"

-----  
Date: Tue, 2 May 2000 13:01:54 -0500 (EST)  
From: igeq100@iupui.edu  
To: Bruce Rattray <rattray@gpfn.sk.ca>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [69249] Re: building qrp stuff  
Message-ID: <Pine.HPP.3.96.1000502124901.28115J-100000@ruby.iupui.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Bruce -

Yes, the graph paper is a good way to go. I assume that the holes on the board are some simple fraction of an inch; but, in any case, set the board down on the graph paper and use a pencil to mark the location on the graph paper. Be careful to hold the pencil straight up and down. Then take the board away and look at the pattern you produced. Mark a definite cross at the center of each traced hole. Then set the board back on the paper to confirm that you have got the locations right. Cut a piece out of the paper approximately the size of the board (so the paper will fit into the case) and then tape it securely in place. Carefully center-punch each hole (right through the paper). Another physical check with the circuit board, and you are ready to drill. For the drilling you might consider getting a small set of Bullet Drills from Black and Decker. They wander very little when starting, and they do a clean job on sheet metal, even soft aluminum. An alternative to the graph paper is to make a Xerox copy (100% size) of the bottom of the board and to use this as your drilling guide.

The graph paper-and-tape method also works well for laying out panels. Draw the outline of the available space, and then push your controls around on the paper to see the best layout. Mark the locations, cut out the outlined portion (with some extra for taping) and tape it to the panel area of the box. Center-punch and drill as before.

If you take a little time, you can fool people into thinking you are a craftsman!

72/73,

Richard Meiss, WB9LPU

-----

Date: Tue, 02 May 2000 10:06:18 -0700  
From: Paul Erickson <paule@sfu.ca>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [69250] RE: more on insulated wire  
Message-ID: <390F0B0A.A701D9A2@sfu.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I agree with both Mike and Doug. I was not speaking to the question of whether or not insulated wire should be used for antennas, dipoles etc. As a matter of fact, if I have the choice of building an antenna from bare solid wire, or stranded/insulated wire, I go with the latter for the reasons already mentioned.

I was simply responding to what appeared to be a claim that the presence/absence of insulation would not have an affect on the resonant frequency of the system. While I agree, that the difference may not be a "big deal" (whatever that means) it is, nonetheless one of the factors that will come into play when adjusting an antenna initially derived from formula, to the realities of any given situation.

My example of the 3 band 4 element cubical quad, should not be construed as advocating removing the insulation from stranded wire. My decision to do so, was do to the fact that (as Mike pointed out) the effort involved in adjusting the whole system to take into account that change in velocity factor, was not trivial. Sure wish I was in a position to have that antenna up and playing now...

--

cheers, Paul - VA7NT (ex VE7CQK) - email: paule@sfu.ca

"Those who hear not the music, think the dancers mad..."

-----

Date: Tue, 02 May 2000 18:07:53 +0000  
From: Goran Hosinsky <hosinsky@royac.iac.es>  
To: qrp-1 <qrp-1@lehigh.edu>  
Subject: [69251] K2, any in Stockholm, Sweden?  
Message-ID: <390F1978.5DDA0332@royac.iac.es>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi,

I would like to make a side by side comparison of the RX of my K2 with another unit. I will be in Stockholm near the

end of May. Are there any K2 owners there who would like to help me with this test?

73 Goran    ea8yu    (ex sm0fxa)

-----  
Date: Tue, 2 May 2000 11:30:53 -0700  
From: Dave Barrett <DBarrett@creo.com>  
To: "'rattray@gpfn.sk.ca'" <rattray@gpfn.sk.ca>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [69252] RE: building qrp stuff  
Message-ID: <BFEEFC3386986D2119C0800A0C99B5DE601772C14@msgcreo3.creo.bc.ca>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"

Make sure you use the graph paper mounted on that firm black conductive foam though.....do not use what most guys seem to suggest "Styrofoam" its a real component killer (static generator). When tested Styrofoam generated many 10's of Kilovolts just sitting around in the air.

Dave Barrett VA7DB    (Ex VE7PCC)  
Vancouver BC Canada

-----Original Message-----  
From: Bruce Rattray [mailto:rattray@gpfn.sk.ca]  
Sent: Tuesday, May 02, 2000 10:42 AM  
To: Low Power Amateur Radio Discussion  
Subject: building qrp stuff

ok, so I'm starting to prepare a data switch box to house the SW-30 rig....I must explain that I'm one of those guys that you cannot apply the title "Craftsman" to like you can to Earl, VA6RF, when it comes to putting it all together...maybe it has something to do with being in too much of a hurry or lack of patience or both....HI HI....picture the board with all components installed and four mounting bolts located at each corner of the board....I wan to locate the four mounting bolts on the bottom of the data switch box and position them (centering the board) so I can mark & then drill the holes for them...well I'm one of those guys who can have 3 of the holes in an ok-for-drilling-position but I always screw up on the fourth hole....is there some sure-fire method of doing this so I don't have to re-drill or get the files out?...right now I'm messing around with some drafting paper (with all the squares on it) thinking this might be the way to go...but I would appreciate any sure-fire ideas on this.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Tue, 2 May 2000 14:24:59 -0400  
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [69253] RE: CQ Magazine E-mail info  
Message-ID: <125490A005E3D3118C9C00805FC743CC3E1B6F@mail.arrl.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

I know Rich Moseson, W2VU, fairly well. He is a decent fellow who cares a lot about ham radio. I am sure he will be receptive to constructive feedback.

73,  
Ed Hare, W1RFI

-----Original Message-----  
From: n4so@juno.com [mailto:n4so@juno.com]  
Sent: Tuesday, May 02, 2000 10:20 AM  
To: Low Power Amateur Radio Discussion  
Subject: CQ Magazine E-mail info

From: N4SO

CQ@cq-amateur-radio.com

Corrections/comments to CQ Magazine can go via the Editor:

CQMagazine@aol.com

W2VU@aol.com

Rich, W2VU, Editor

Ken Brown, N4SO  
Mobile, AL EM50tk  
NorCal-20 at 5 watts  
4 element yagi

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Tue, 2 May 2000 12:25:41 -0600

From: "Rod, NØRC" <nØrc@qsl.net>

To: <hoglund@wfu.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [69254] Re: RS Soldering Station on Sale

Message-ID: <015701bfb465\$ec92bf40\$c6101004@compaq>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Please include me in a off list replies at this price it's sounds too good to pass up. Was getting ready to buy the Weller WPTCwhatever... but maybe I'll get the RS unit if it is not flawed in some way.

---  
72/3 Rod, NØRC -- Fort Collins, CO

----- Original Message -----

From: Kenneth Hoglund <hoglund@wfu.edu>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Tuesday, May 02, 2000 11:31 AM

Subject: HB: RS Soldering Station on Sale

...

> Usual disclaimers apply-- in fact, would like to hear of anyone using

> the station and their thoughts.

>

> Ken Hoglund

> KG4FGC

-----  
Date: Tue, 2 May 2000 14:47:46 -0400

From: wb2vuo@juno.com

To: qrp-1@lehigh.edu

Subject: [69255] OT: Windows 98 Shut-down problem  
Message-ID: <20000502.144749.-103415.0.wb2vuo@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Sorry for the bandwidth, but I don't have a clue as to which way to look, and it's not even for me, but a relative.

My cousin has a year-old computer that is running Windows 98, and he can't shut the OS down. Whe he clicks on the "Start" button and tries to shut down, the menu pops up, but doesn't do anything.

The dealer (Circuit City) told him it's a Windows problem. Microsoft told him to go back to the dealer.

I don't run Windows 98 and don't have a clue on this one.

PLEASE! REPLY OFF-LIST! Reply to wb2vuo@arrl.net, please...

What's the next step here short of a reformatted hard drive and a new Windows 98 install?

OBQRP: I wish there was one, but there isn't this time.

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp  
VP & FD'00 Chairman, Brockport Amateur Radio Klub & SOC # 119  
My night light runs more power than my Rig!!!  
Replies off-list to: wb2vuo@arrl.net

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Tue, 02 May 2000 18:41:26 +0100  
From: "David Hurley,n2zhy" <n2zhy@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [69256] Transmitter Impedance // Final  
Message-ID: <390F1346.32B67A4E@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks to everyone for their replies to my question about transmitter

impedance and making the light go out in my ZM-2 antenna tuner. Lots of good info, some a little over my head. Now I'll do a little more reading.

>Ok, here is the question. Using my Autek Analyzer, how can I measure  
>the impedance of the five qrp rigs that I've built so far? Oh, and >what can I  
do to change whatever I find and make it closer to 50 ohms?

A couple of thoughts.

The tuning light on the ZM-2 would go out with some combinations of rigs/antennas.

I could not get the the light out using my SST, the rig I first tested, and any combination of antennas. I did step down the drive on the SST until the output was almost nil and the light would not go out. No spurs I guess.

I did tune several rig/antenna combinations and then test the results with the Autek Analyzer. In all cases, when the light dimmed on the ZM-2 to its lowest(and that might not be too low), the SWR was between 1.1 to 1 and 1.7 to 1. As a side note, I feel my analyzer reads a little high based on measurements with several friends analyzers.

Ok, I declare the ZM-2 working and a good piece of portable equipment! Of course everybody on the list has been saying that for years, ... and that's why I bought one in the first place! ;>)

Thank you

David Hurley,n2zhy  
Princeton,NJ

-----  
Date: Tue, 2 May 2000 15:02:46 EDT  
From: DYARNES@aol.com  
To: farnworth@citylinq.com, qrp-l@lehigh.edu  
Subject: [69257] Re: MIC for QRP plus  
Message-ID: <b7.29fce60.26408056@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I used to have a QRP ++, and I used an Icom HM-70 mike with very good



results. I've been using that mike on my K2 for several months now, also with very good results. I think it is a good all around microphone. Check the Icom website--you might find one there, and possibly at a reduced price.

Dave W7AQK

-----  
Date: Tue, 2 May 2000 15:01:53 -0400  
From: "Lau, Zack, W1VT" <zlau@arrl.org>  
To: qrp-1@Lehigh.EDU  
Subject: [69258] Re: building qrp stuff  
Message-ID: <125490A005E3D3118C9C00805FC743CC4218CB@mail.arrl.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

How about using perforated board as a drilling guide?  
You can cover it with paper if you need to clearly mark  
the hole locations.  
I use a cheap dial caliper as a scribe-works well on  
soft aluminum-Zack W1VT

-----  
Date: Tue, 2 May 2000 15:07:15 -0400  
From: tailfeathers@juno.com  
To: w4dxv@attglobal.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [69259] Re: More on insulated wire  
Message-ID: <20000502.150757.-3986771.2.tailfeathers@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

I would agree. I had a bare stranded wire up for years on 75 meters and it was fine until it rained and then the swr would take off. When it had ice on it it would get quite high until it melted off. I said then that if I ever made another dipole it would be insulated wire. Well its been up for 1 and 1/2 years and nothing bothers it. I cut it little long because like you said the ground or a building or even how moist the soil is will determine its length. Just bend the wire back onto itself and wrap it around itself.  
Gary.....n8gsj

On Tue, 2 May 2000 12:27:10 -0400 "Doug Person" <w4dxv@attglobal.net>  
writes:  
> Insulated wire is not the problem.

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Tue, 2 May 2000 15:15:31 EDT  
From: DYARNES@aol.com  
To: fifield@pacbell.net, qrp-1@lehigh.edu  
Subject: [69260] Re: QRPTTF - KI6DS/AK1P/K1MG/AD6A Report - With PHOTOS!!  
Message-ID: <9.4f4a040.26408353@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 5/1/00 6:01:04 PM US Mountain Standard Time,  
fifield@pacbell.net writes:

<< <http://www.cooltechstuff.com/QRPTTF00.html>  
>>

I don't know who the photographer was, but he (or she) managed to take just about every one of those photos from the wrong direction so that the faces were in shadows!!! Not that I missed seeing much from all those hairy legged devils, but to do that to that nice young lady in the bikini-----That's a sacrilege!

Dave W7AQK

-----  
Date: Tue, 2 May 2000 15:18:03 -0400  
From: "Doug Person" <w4dxv@attglobal.net>  
To: <wb2vuo@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [69261] Re: Windows 98 Shut-down problem  
Message-ID: <010f01bfb46b\$24c2a6a0\$febee220@user1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

This behavior is often the result of installing software that updates some of W98's dynamic link libraries. A mis-matched level causes the shutdown message to get lost of one of the dynamic programs to simply hang-up. This is a very common problem with MS operating systems. One solution is to

re-install Windows 98 directly over top of the current version. During this re-install process all of the system components will be re-synchronized. I have had very good luck doing this. The re-install will not change any of the existing software configurations. After you re-install - everything should look exactly the same as it did before.

Doug Person -- W4DXV

(e-Business Architect - IBM Global Services)

----- Original Message -----

From: <wb2vuo@juno.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Tuesday, May 02, 2000 2:47 PM

Subject: OT: Windows 98 Shut-down problem

> Sorry for the bandwidth, but I don't have a clue as to which way to look,  
> and it's not even for me, but a relative.

>

> My cousin has a year-old computer that is running Windows 98, and he  
> can't shut the OS down. Whe he clicks on the "Start" button and tries  
> to shut down, the menu pops up, but doesn't do anything.

>

> The dealer (Circuit City) told him it's a Windows problem. Microsoft  
> told him to go back to the dealer.

>

> I don't run Windows 98 and don't have a clue on this one.

>

> PLEASE! REPLY OFF-LIST! Reply to wb2vuo@arrl.net, please...

>

> What's the next step here short of a reformatted hard drive and a new  
> Windows 98 install?

>

> OBQRP: I wish there was one, but there isn't this time.

>

> 72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp

> VP & FD'00 Chairman, Brockport Amateur Radio Klub & SOC # 119

> My night light runs more power than my Rig!!!

> Replies off-list to: wb2vuo@arrl.net

>

>

> -----  
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> <http://dl.www.juno.com/get/tagj>.

>

-----

Date: Tue, 02 May 2000 13:22:37 -0600  
From: carlos.caro@lmco.com  
To: qrp-1@Lehigh.EDU, tailfeathers@juno.com  
Subject: [69262] RE: More on insulated wire  
Message-ID: <D0A28D7EFEB4D11181DE0000F80627BB023A46E8@EMSS02M14>  
Content-return: allowed  
MIME-version: 1.0  
Content-type: text/plain  
Content-transfer-encoding: 7BIT

The consensus is that insulated wire is ok for antennas. I would like to add that the insulation should be teflon. When a bird tries to perch on it, he/she will spin around like a propeller and scare the other birds off. That way tensile strength will not be important.

Slow day at work today :-)

Regards, Carlos #1333

-----  
Date: Tue, 02 May 2000 13:31:10 -0600  
From: carlos.caro@lmco.com  
To: qrp-1@Lehigh.EDU  
Subject: [69263] RE: More on insulated wire  
Message-ID: <D0A28D7EFEB4D11181DE0000F80627BB023A46EA@EMSS02M14>  
Content-return: allowed  
MIME-version: 1.0  
Content-type: text/plain  
Content-transfer-encoding: 7BIT

On my last, the insulation should be teflon.

Regards, Carlos #1333

-----  
Date: Tue, 2 May 2000 14:42:00 -0500  
From: "Goveia, William P" <wgoveia@indiana.edu>  
To: "'w4dxv@attglobal.net'" <w4dxv@attglobal.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [69264] RE: Windows 98 Shut-down problem  
Message-ID:  
<4F1C26C2EB4CD211BD2300805F657B5C020E1A8E@newjersey.exchange.indiana.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Whoa!!!

Before that go to

[http://www.microsoft.com/Windows98/downloads/contents/WURecommended/S\\_WUFeatured/Win98SE/Default.asp](http://www.microsoft.com/Windows98/downloads/contents/WURecommended/S_WUFeatured/Win98SE/Default.asp) and read what you find there, first. There is a link to download a patch to Windows 98 that may solve your problem.

Then, if that doesn't work....try the whole re-install thing.....

Good luck and 73,

Bill

KB9RBW

> -----Original Message-----

> From: Doug Person [mailto:w4dxv@attglobal.net]

> Sent: Tuesday, May 02, 2000 2:18 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Windows 98 Shut-down problem

>

>

> This behavior is often the result of installing software that  
> updates some

> of W98's dynamic link libraries. A mis-matched level causes  
> the shutdown

> message to get lost of one of the dynamic programs to simply  
> hang-up. This

> is a very common problem with MS operating systems. One  
> solution is to

> re-install Windows 98 directly over top of the current  
> version. During this

> re-install process all of the system components will be  
> re-synchronized. I

> have had very good luck doing this. The re-install will not  
> change any of

> the existing software configurations. After you re-install -  
> everything

> should look exactly the same as it did before.

>

> Doug Person -- W4DXV

> (e-Business Architect - IBM Global Services)

> ----- Original Message -----

> From: <wb2vuo@juno.com>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Tuesday, May 02, 2000 2:47 PM

> Subject: OT: Windows 98 Shut-down problem

>

>  
> > Sorry for the bandwidth, but I don't have a clue as to  
> which way to look,  
> > and it's not even for me, but a relative.  
> >  
> > My cousin has a year-old computer that is running Windows 98, and he  
> > can't shut the OS down. Whe he clicks on the "Start"  
> button and tries  
> > to shut down, the menu pops up, but doesn't do anything.  
> >  
> > The dealer (Circuit City) told him it's a Windows problem.  
> Microsoft  
> > told him to go back to the dealer.  
> >  
> > I don't run Windows 98 and don't have a clue on this one.  
> >  
> > PLEASE! REPLY OFF-LIST! Reply to wb2vuo@arrl.net, please...  
> >  
> > What's the next step here short of a reformatted hard drive  
> and a new  
> > Windows 98 install?  
> >  
> > OBQRP: I wish there was one, but there isn't this time.  
> >  
> > 72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great  
> Bergen Swamp  
> > VP & FD'00 Chairman, Brockport Amateur Radio Klub & SOC # 119  
> > My night light runs more power than my Rig!!!  
> > Replies off-list to: wb2vuo@arrl.net  
> >  
> > -----  
> > YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
> > Juno now offers FREE Internet Access!  
> > Try it today - there's no risk! For your FREE software, visit:  
> > <http://dl.www.juno.com/get/tagj>.  
> >  
>

-----  
Date: Tue, 2 May 2000 15:55:45 EDT  
From: RangerSF5@aol.com  
To: qrp-l@lehigh.edu  
Subject: [69265] Question on lost M0 and person has the gear  
Message-ID: <57.521d776.26408cc1@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Gang,  
I need some input on this topic and please \*E\* mail me you'r response to so I don't clutter up the list with a personal matter.  
I sent my modified SST to a person about a month ago and was nice enough to send it to him to try it out before he sent a MO.  
He said he received the rig but was busy and did not have time to open the box.  
Two weeks went by and I heard nothing so I mailed that person.  
He said he was busy.  
Other \*E\* mails went unanswered but his Dad did pass away.  
I can understand the hardships that he's going through  
I have not heard from him since.  
The problem is that he sent the MO to my QTH address and not my PO BOX #.  
I never received the MO and after more then 2 weeks I can only assume that it has been lost.  
My Question is that who should wait 60 days for the MO?  
He has the SST and I have not been paid.  
I asked several times if he expects me to wait for the processing of the lost MO but he seems to side step that question.  
I also asked 3-4 times to return the rig but received (i'll check the PO tomorrow).  
A lot of tomorrows went by and I like to get paid or have the rig returned..  
He made the mailing SNAFU so he should pay me or return the rig.  
However I stand to be corrected.  
Again  
Please send comments/suggestions direct to me.  
Thank You  
Bob  
WA2HOQrp <tm>

-----  
Date: Tue, 2 May 2000 14:08:41 -0600  
From: "David Ek" <ekdave@earthlink.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [69266] Tech America soldering station on sale for \$50  
Message-ID: <001d01bfb472\$36ade260\$0100a8c0@oldman>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang,

Tech America's digital temp-controlled soldering station is on sale online (radioshack.com, #910-3893, reg \$149.95) for \$49.95. I have one of these, and it's a good iron. Some have complained that the tips are too large on

these irons, but my experience has been that it works fine for all the thru-hole stuff I've done. I've been using mine to build my SMK-1, as well, but I have to say it's not optimal for the tiny transistor pads but it works.

At any rate, if it'll suit your purposes, it's a great buy at \$50. YMMV.

73,

Dave AB0GO

-----  
Date: Wed, 03 May 2000 13:04:45 -0700  
From: Dave Fifield <fifield@pacbell.net>  
To: DYARNES@aol.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [69267] Re: QRPTTF - KI6DS/AK1P/K1MG/AD6A Report - With PHOTOS!!  
Message-ID: <005701bfb53a\$d41156e0\$0100a8c0@pacbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

Guilty. In mitigation, I'd have to say that the prime objective wasn't photographic excellence so much as photographic proof. You get what you paid for... ;-)

72, Dave Fifield, AD6A

----- Original Message -----  
From: <DYARNES@aol.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Tuesday, May 02, 2000 12:15 PM  
Subject: Re: QRPTTF - KI6DS/AK1P/K1MG/AD6A Report - With PHOTOS!!

> In a message dated 5/1/00 6:01:04 PM US Mountain Standard Time,  
> fifield@pacbell.net writes:  
>  
> << <http://www.cooltechstuff.com/QRPTTF00.html>  
> >>  
>  
>  
> I don't know who the photographer was, but he (or she) managed to take  
just  
> about every one of those photos from the wrong direction so that the faces  
> were in shadows!!! Not that I missed seeing much from all those hairy



legged  
> devils, but to do that to that nice young lady in the  
> bikini-----That's a sacrilege!  
>  
> Dave W7AQK  
>

-----  
Date: Wed, 03 May 2000 12:54:25 -0700  
From: Dave Fifield <fifield@pacbell.net>  
To: nk7m@extremezone.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [69268] Re: SMK-1  
Message-ID: <003f01bfb539\$62388da0\$0100a8c0@pacbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

The SMK-1 is not like the TT2 Bob - I designed the keying circuit so that one wire is GROUND. This means you can simply use any key or keyer that you already have wired up with the right jack. There is no need to insulate the jack's ground from case ground at all.

If you have a constant key down condition, it's likely that you have the GND and KEY lines reversed, so that you have in fact wired the KEY line to the GND terminal of the jack on the rear panel.

Hope this helps.

72, Dave Fifield, AD6A

----- Original Message -----  
From: Bob Hightower <nk7m@extremezone.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Tuesday, May 02, 2000 8:47 AM  
Subject: SMK-1

> For those of us who haven't built the TT2, and who haven't yet put their  
> SMK-1 in the enclosure, remember that the keying circuit carries voltage,  
> and must be isolated from whatever conductive material your case is made  
> of. After you've carefully measured, cut, punched and assembled your case,  
> and installed the SMK-1 in it, if you have a constant key down condition,  
> your jack is not isolated. Been there, done that (twice). Seems like I'd  
learn.  
>  
> Bob Hightower NK7M

> Chandler, AZ  
> SOC #20  
>  
>  
>  
>  
>  
>  
> <http://www.extremezone.com/~nk7m>  
>

-----  
Date: Wed, 03 May 2000 12:57:25 -0700  
From: Dave Fifield <[fifield@pacbell.net](mailto:fifield@pacbell.net)>  
To: [bgeipel@primenet.com](mailto:bgeipel@primenet.com), Low Power Amateur Radio Discussion <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [69269] Re: SMK-1 Problem Report  
Message-ID: <004701bfb539\$cdf7ee0\$0100a8c0@pacbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

It's highly unlikely that the FET is dead. Much more likely is a bad connection on Q5 or D5 or Q1's gate (I had a poor connection on the collector of Q5 on one of my prototypes that had exactly the same symptoms that you're seeing).

Hope this helps.  
72, Dave Fifield, AD6A

----- Original Message -----  
From: Barry L. Geipel - AD6HR <[bgeipel@primenet.com](mailto:bgeipel@primenet.com)>  
To: Low Power Amateur Radio Discussion <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Sent: Tuesday, May 02, 2000 6:48 AM  
Subject: Re: SMK-1 Problem Report

> I am experienceing a similar problem to what Marty reported. The series  
mute  
> transistor  
> Q1 is not allowingthe signal through. I jumpered the drain and source of  
Q1  
> and the  
> reciever came to life. I traced the keying curcuit and it seems to work  
just  
> fine. (unlike Marty)  
>

> What kind of test could I run to confirm the Q1 is either working or dead?  
>  
> Thanks for the help.  
>  
> 73  
> Barry AD6HR  
>  
>  
> ----- Original Message -----  
> From: Maddog 'n' Miracles <maddog@io.com>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Sent: Sunday, April 30, 2000 8:25 PM  
> Subject: SMK-1 Problem Report  
>  
>

-----  
Date: Tue, 2 May 2000 13:26:38 -0700  
From: "John Moriarity" <k6qq@hdo.net>  
To: <z1au@arrl.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [69270] Re: building qrp stuff  
Message-ID: <010801bfb474\$b8c83dc0\$f3424cd1@k6qq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> I use a cheap dial caliper as a scribe-works well on  
> soft aluminum-Zack W1VT

Good tip! Our Mechanical Engineer used to say "Never do  
this!" as he used his dial calipers to mark a layout.  
(I do it all the time now.)

73,

John, K6QQ

-----  
Date: Tue, 02 May 2000 16:27:44 EDT  
From: "Mark Adams" <k2qo@hotmail.com>  
To: qrp-1@lehigh.edu  
Subject: [69271] QRPTTF: K2Q0 Score  
Message-ID: <20000502202744.34607.qmail@hotmail.com>

Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Hi Gang,

I posted the results and soapbox for this SUPER event on Sunday, but I did not calculate the claimed score correctly, so here it is for comparison purposes (or gloating if need be!)

94 Q's for

1240 pts x 52 Mults x 4 (OC) = [[257,920 PTS]]

W2IV and I are quite happy! I'll be sure and add a link to view our photos after I get them scanned into the computer.

72,  
Mark K2QO (ex-N2VPK)

-----  
Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

-----  
Date: Tue, 2 May 2000 16:33:49 EDT  
From: Ab5xq@aol.com  
To: qrp-1@lehigh.edu  
Subject: [69272] SMK-1  
Message-ID: <4c.4ec46f7.264095ad@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Finally got to work on my SMK-1 last evening. Spent about two hours and only got thru Item #6. Had a bit of a problem getting the hang of it. I am only 52, but this kit helped to accentuate my shaky hand and eyes getting weaker. Started out using one of those SMD holders, but could not get the parts aligned very well and after I lost one of the first capacitors (it went flying off some where!) I just followed the instructions included with the kit (solder one pad, flux and hold with tweezers) Found that this method worked best for me and quicker. Now that I am getting the hang of it, look forward to having time to complete the rest of it.

My compliments to all those who worked to package this kit, I can just imagine counting out all of those small parts and keeping up with the various compartments and I certainly could not make this kit work without it being packed in the various pockets. Thanks to all those at NORCAL.

Would like to see some instructions on how to get the parts out of the packaging, I tried several different ways to remove the caps, found the easiest way was on item #1 when I got the plastic covering started and was able to strip it off the rest spilling them into the container I had available to catch them in (glad I thought of that first). I am certain I would have lost more than one part, if I had not planned ahead. Anyhow, the parts in a single package still give me trouble, would hear of any method others have had success with.

Will post an update when I complete,  
Tks,  
72, AB5XQ, Bill

-----  
Date: Tue, 2 May 2000 16:25:25 -0400  
From: "Dave Benham" <dodgeboy@mindspring.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [69273] [OT] GPS more sensitive now?  
Message-ID: <010b01bfb474\$8d2ce940\$aad079a5@hqa.chrysler.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I heard on the AM radio news last night (a Canadian station) that as of today the GPS system has finally been loosened up so that civilians get greatly increased sensitivity (if that's the right word). The report said it was "10 times" better than it was but still not as good as the military.

I haven't seen anything else on it and have not had the time to play with my GPS to confirm it. With all the techies and good gadget folks on here, I figured someone might have an answer. Any ideas?

Thanks.

Dave K8TRF

-----  
Date: Tue, 2 May 2000 13:38:28 -0700  
From: Radman <radman@best.com>  
To: "'elecrafft@qth.net'" <elecrafft@qth.net>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>  
Subject: [69274] Weller WTCPT on sale...  
Message-ID: <01BFB43C.009586A0@radman.vip.best.com>

Gang,

The Weller WTCPT solder station is on sale, promoting Wassco's 38th Anniversary Event.  
Sale Price = \$89.99.

ALSO... I'd recommend the 3M-brand ESD wrist strap, with coiled cord, and gator clip at \$5.49.

AND... I'd recommend the Plato 170 shear cutters for lead trimming, a steal at \$2.49 per pair.  
(these are ESD safe, w/ ergonomic grips and rated to 18AWG - 2 pairs for 5 bux !!)

AND... If you're into SMD, SMKs, etc... consider the Puritan 6" cotton swabs with 6" wood shafts. Q=1,000 pcs for \$6.49. Good for playing with ZAP glue or liquid flux ;)

You'll find all of the above on their web site as follows...

Wassco's URL: <http://www.wassco.com/> <page to 'Hot Buys'>  
Phone/Order: 1-858-679-8787

Have fun,

Conrad Weiss - NN6CW  
relax... I'm not a rep for Wassco :)

-----  
Date: Tue, 2 May 2000 16:46:03 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <dodgeboy@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [69275] Re: [OT] GPS more sensitive now?  
Message-ID: <0c2701bfb477\$715a1460\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

No, it's not the sensitivity, it's called "SA" and it was turned off, or being turned off, starting at midnight last night. I think it stands for selective authorization or something like that.

The "SA" is what generated a bit of randomness to GPS. The

idea was to prevent non-US military from getting accurate enough fixes using GPS to hit 'hard cover'. But since that's not the concern any more, it sorta doesn't need to be there.

Mike

----- Original Message -----

From: Dave Benham <dodgeboy@mindspring.com>

> I heard on the AM radio news last night (a Canadian station) that as of today the GPS system has finally been loosened up so that civilians get greatly increased sensitivity (if that's the right word). The report said it was "10 times" better than it was but still not as good as the military.

>

> I haven't seen anything else on it and have not had the time to play with my GPS to confirm it. With all the techies and good gadget folks on here, I figured someone might have an answer. Any ideas?

>

> Thanks.

>

> Dave K8TRF

-----

Date: Tue, 02 May 2000 13:51:26 -0700  
From: Bill Jones <kd7s@psnw.com>  
To: dodgeboy@mindspring.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [69276] Re: [OT] GPS more sensitive now?  
Message-ID: <390F3FCE.6A1967F2@psnw.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Here is one story that should help clear things up.

<http://msnbc.com/news/401984.asp?cp1=1#BODY>

Dave Benham wrote:

>  
> I heard on the AM radio news last night (a Canadian station) that as of  
> today the GPS system has finally been loosened up so that civilians get  
> greatly increased sensitivity (if that's the right word).

--

-----  
Bill Jones - KD7S <><  
Sanger, California  
<http://www.psnw.com/~kd7s>  
-----

-----  
Date: Tue, 2 May 2000 14:11:11 -0700  
From: Radman <radman@best.com>  
To: "'Dave Benham'" <dodgeboy@mindspring.com>, Low Power Amateur Radio Discussion  
<qrp-1@Lehigh.EDU>  
Subject: [69277] RE: [OT] GPS more sensitive now?  
Message-ID: <01BFB440.4D8176A0@radman.vip.best.com>

Dave & the group,

Pres. Clinton recently announced that the US would cease GPS Selective  
Availability (SA.)  
This will allow civilian GPS units to resolve positioning data to a 10X  
improvement over prior SA-enabled conditions. Greater accuracy! Very good  
news! This should \*not\* affect 'sensitivity' or ability to 'acquire' SATs.

You can get the full story at URL: <http://www.gpstoday.com/news/index.htm>

I don't have my GPS unit with me or I'd give you an \*accurate\* report on my  
fix ;)

73,

Conrad - NN6CW

-----  
Date: Tue, 2 May 2000 15:17:38 -0600 (MDT)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-1@lehigh.edu  
Subject: [69278] GPS more gooder  
Message-ID: <Pine.SUN.4.10.10005021502330.920-1000000@shell.rt66.com>  
MIME-Version: 1.0



Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

We run a constant real time plot of GPS time vs. our hydrogen maser reference to show the average rms clock dithering to GPS. This dithering (or random variation in the GPS time) is called "selective availability" or SA. This SA dithering is what keeps the consumer grade GPS units from deriving real accurate position and elevation fixes.

According to our plots, it looks like SA was turned off last night about 2200UTC. The time difference between GPS and our hydrogen maser bounced around randomly a bit more than 100nS (typical for the past XX years), then suddenly went to variations of less than 20nS. We're now trying to figure out how much of that is due to atmospheric dispersion and short term maser jitter. A resolution we could never see before. So I can tell you from looking at the plots an hour ago, the GPS SA was definitely turned off!

Now for a less accurate piece of proof ... went out to my car and got my trusty old Garmin GPS-12. Depending upon how evenly distributed the satelllites are, my average EPE (estimated probability of error) displayed on the LCD screen would vary from 70 feet to 140-150 feet, as I recall. Pulling a fix a few moments ago with the GPS-12, displayed an EPE of 21 feet! Or at least a 3-4 times improvement in the accuracy, and that's with 3 satelllites to the west shaddowed by our building. Will play with it tonite from the house where I have about a 30 mile visability in all directions except west. There's also a BLM benchmark on the county road I have used as a reference, and will see how much closer it reads now.

Your mileage will differ, but assuredly, your GPS will now be pulling a more accurate position and elevation fix now that the internal GPS clock dithering has been turned off.

Guess I'll have to drive all over the country again and remark those waypoints for FYB0, Ft. Tuthill, PacifiCon, etc.

72, Paul NA5N

-----  
Date: Tue, 02 May 2000 17:28:25 -0400  
From: Michael C Boatright <ko4wx@mindspring.com>  
To: NOGAQRP <nogaqrp@qth.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [69279] QRPTTF Report and Photos  
Message-ID: <390F4879.B850221C@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ok, folks. You've been waiting for it. Here it is! Check out the updated NOGA web page for Karl's report and photos of the NOGA QRP To The Field activity this past weekend.

Final score and log will be posted tonight.

<http://www.qsl.net/nogaqrp>

72 de Mike, K04WX

--

Mike Boatright, K04WX  
Assistant Section Emergency Coordinator,  
GA Section Amateur Radio Emergency Service

A rock pile ceases to be a rock pile the moment a single man contemplates it, bearing within him the image of a cathedral.  
Antoine de Saint-Exupery

-----  
Date: Tue, 02 May 2000 14:38:49 -0700  
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>  
To: QRP-L <qrp-l@lehigh.edu>  
Cc: GQRP <gqrp@onelist.com>  
Subject: [69280] Elecraft at Dayton Booth #196  
Message-ID: <390F4AE9.2D227FFF@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just a quick note that Elecraft will be showing the K2 and our newest products at Dayton booth #196 this year. This is a same location as last year and we are just behind one of the ARRL's booth locations.

We will also be at the ARCI vendor's night on Friday, and if we're still alive and standing, we will also be at the ARCI rooms on Saturday night.

See you all there!

73, Eric

--

<http://www.elecrafter.com>

-----  
Date: Tue, 2 May 2000 15:59:01 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Dave Fifield <fifield@pacbell.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [69281] Re: QRPTTF - KI6DS/AK1P/K1MG/AD6A Report - With PHOTOS!!  
Message-ID: <Pine.LNX.3.95.1000502154947.11466B-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sure it shows him at least 3 feet away from the lovely lass....for the picture that is!!.....HAR!!.....I'm envious....wish I had been there!...I looked at all the beautiful pictures of the ocean and it made me wish I was enjoying the fine views again of the Atlantic Ocean off the shores of New Hampshire, Maine and Mass.....Bonnie & I sure enjoyed the ocean when we lived in NH...many times we enjoyed walking out our backyard, through the woods (where we would tap the maple trees in the Spring for the sap) and along the salt water river out back which rose and fell with the tides...and the coves!....georgous, beautiful multi-colored coves, especially in the Autumn...I used to "hunt" along there....I say "hunt" because on a warm sunny day I would pick out my favorite tree along the bank of the river, unload the shotgun, lean back into the tree and the ZZZZZs just naturely came on.....HAR!....now THIS was hunting eh?!.....how sweet it was.... :-))

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Tue, 2 May 2000 17:59:29 EDT  
From: SABorns@aol.com  
To: qrp-l@lehigh.edu  
Subject: [69282] SMK-1 T/R problem  
Message-ID: <15.3414376.2640a9c1@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Gang,

Could anyone provide me with the TX and RX voltages on Q5 and Q1. The audio attenuation function is not functioning in my SMK. The receiver works fine when I bypass the J309.

Steven Bornstein, K8IDN  
Columbus, Ohio 43214  
40 01.87N x 083 00.17W  
Phone 614 263 -5819  
FAX 503 217 9353

-----  
Date: Tue, 2 May 2000 16:15:25 -0600 (MDT)  
From: Brian Milesosky <n5zgt@swcp.com>  
To: "Paul Harden, NA5N" <na5n@rt66.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [69283] Re: GPS more gooder  
Message-ID: <Pine.SUN.3.96.1000502160727.28970A-100000@boofura.swcp.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Paul et al.,

Yep! Selective Availability has now been disabled. It was supposed to happen at 0000UTC on May 2, but it actually took place at around 0500UTC, or thereabouts. Horizontal and vertical positions should be more accurate, with less of the characteristic "wandering" that SA brought about. I'm getting EPEs as low as 12 feet from here in Albuquerque, NM, though this is a crude number the GPS receiver creates. But either way you look at it, GPS just got a whole lot better.

So enjoy it! Make no mistake that there will still be some errors due to multi-path and the atmosphere, but for most people, it's nothing to worry about. And your DGPS receivers? Keep them! These still provide the most accuracy you can get with GPS (unless you do a ton of averaging) -- even with Selective Availability off, and even more accurate than any regular P-code receiver.

If any GPS-buffs out there are interested, check out the sci.geo.satellite-nav newsgroup, where a ton of great GPS info can be found. Our taxpayers' QRPp signals from space sure are neat...

72,  
Brian, N5ZGT  
Albuquerque, NM

On Tue, 2 May 2000, Paul Harden, NA5N wrote:

> Gang,  
> We run a constant real time plot of GPS time vs. our hydrogen maser  
> reference to show the average rms clock dithering to GPS. This  
> dithering (or random variation in the GPS time) is called "selective  
> availability" or SA. This SA dithering is what keeps the  
> consumer grade GPS units from deriving real accurate position and  
> elevation fixes.  
>  
> According to our plots, it looks like SA was turned off last night  
> about 2200UTC. The time difference between GPS and our hydrogen  
> maser bounced around randomly a bit more than 100nS (typical for the  
> past XX years), then suddenly went to variations of less than 20nS.  
> We're now trying to figure out how much of that is due to  
> atmospheric dispersion and short term maser jitter. A resolution  
> we could never see before. So I can tell you from looking at the  
> plots an hour ago, the GPS SA was definitely turned off!  
>  
> Now for a less accurate piece of proof ... went out to my car and  
> got my trusty old Garmin GPS-12. Depending upon how evenly  
> distributed the satellites are, my average EPE (estimated probability  
> of error) displayed on the LCD screen would vary from 70 feet to  
> 140-150 feet, as I recall. Pulling a fix a few moments ago with  
> the GPS-12, displayed an EPE of 21 feet! Or at least a 3-4 times  
> improvement in the accuracy, and that's with 3 satellites to the  
> west shadowed by our building. Will play with it tonite from the  
> house where I have about a 30 mile visibility in all directions  
> except west. There's also a BLM benchmark on the county road I have  
> used as a reference, and will see how much closer it reads now.  
>  
> Your mileage will differ, but assuredly, your GPS will now be  
> pulling a more accurate position and elevation fix now that the  
> internal GPS clock dithering has been turned off.  
>  
> Guess I'll have to drive all over the country again and remark  
> those waypoints for FYBO, Ft. Tuthill, PacificCon, etc.  
>  
> 72, Paul NA5N  
>  
>  
>

-----  
Date: Tue, 2 May 2000 22:28:19 +0100  
From: wd3p@juno.com  
To: atrail-1@Lehigh.EDU, epaqrp-1@Lehigh.EDU, qrp-1@Lehigh.EDU

Subject: [69284] AT Alert - MD Saturday May 8  
Message-ID: <20000502.222831.-259113.0.wd3p@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Hi Gang,

Pending good WX (that is the forecast) and no surprises from the kits I'm headed out Saturday for some hiking on the Maryland portion of the Appalachian Trail. I expect to take a couple of hours to get there and hike a couple of hours before setting up the station. So the expected time is early to mid afternoon. I'll try 40 and 20 and operate for about an hour total. Hope to see some of you there.

73 de Larry.....WD3P in MD

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<http://dl.www.juno.com/get/tagj>.

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Date: Tue, 2 May 2000 18:51:58 -0400  
From: "John Nally" <nally@talstar.com>  
To: <qrp-l@lehigh.edu>  
Subject: [69285] Re: Battery Power  
Message-ID: <003101bfb489\$0702b380\$e4a2fea9@r6g4f3>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I notice that there seems to be some confusion as to just what the term "deep cycle battery" means, from reading the mail. It means that the battery can recover from being discharged time and time again down to less than 50% of capacity. We use them on boats because we run batteries down, using lights, refrigerators, and all that stuff. An ordinary battery (not deep cycle) will suffer more from being discharged down to 50% than one which is built for that. Any batter, deep cycle or not, suffers after it goes below 50% depletion.

John WB4LOQ

-----  
Date: Tue, 2 May 2000 18:05:07 EDT  
From: Rick McKee <kc8aon@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [69286] Re: More on insulated wire  
Message-ID: <20000502.184817.4399.7.kc8aon@juno.com>

I've said it before, and I'll say it again ! The guy on the other end  
"WILL NOT" know the difference - if you are using insulated or  
uninsulated wire ! Put it up - it "WILL" work ! Afterall, nobody ever  
told the bumble bee that it is scientifically impossible for him to fly  
either ! - NUF SAID !

73...Rick McKee KC8AON { CW lives as long as I do ! }  
Willow Wood,Ohio "oo's"  
AR QRP # 269 QRP-L # 2112 ZOMBIE # 718 FPqrp # 33  
TriState BrassPounders # 1

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End of QRP-L Digest 1809  
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